Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 134 AUGUST 29, 1938 Number 9

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$MgCO_3$	2.38
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$CaSO_4$	.46
Al_2O_3	1.41
H_2O (loss on ignition)	2.60
(H_2O loss at 110° C. 25%)	

Linseed Oil Absorption—50-60 cc per 100 grams
Density—30 lbs. per cubic foot
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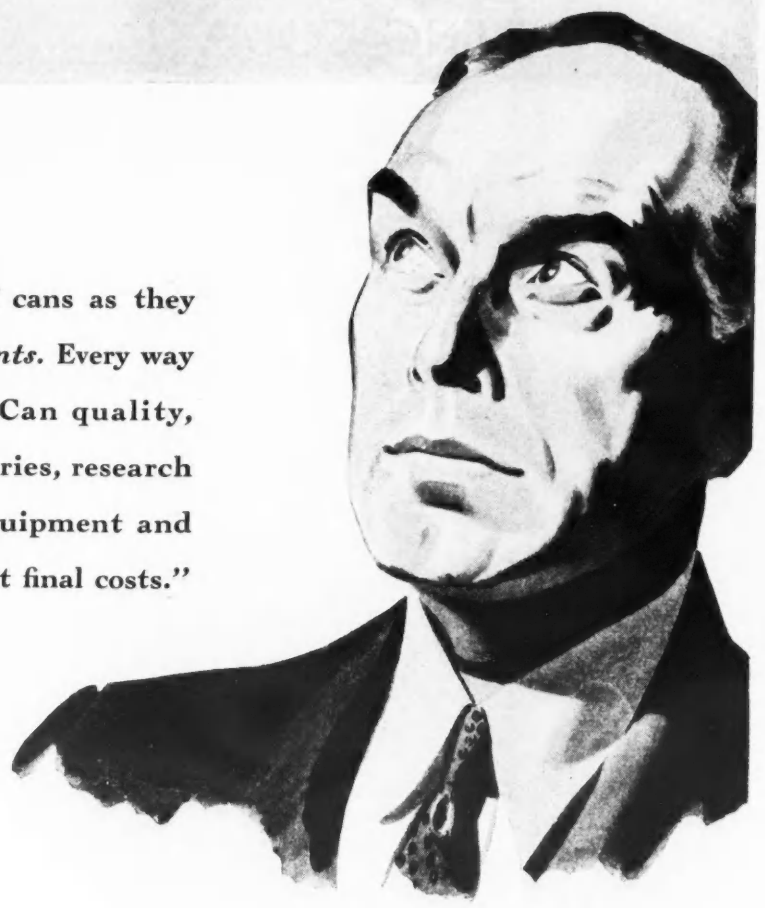

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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Volume 134 AUGUST 29, 1938 Number 9

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Chemical Business Sentiment Tends to Optimism

Producers, Distributors, Converters, Compounders Expect Improvement

Sentiments expressed in communications to the REPORTER by prominent executives in the chemical, oil, and drug industries manifest a general belief that business, which has been showing some improvement for two months or more, will continue to get better during the remainder of this year. While the commenters recognize the impossibility of being certain with respect to future developments affecting business, they are, for the most part, ready to believe that there will not soon be another setback.

The views of observant commenters engaged in productive, converting, compounding, and distributive activities in the field of chemicals, oils, and drugs are given below.

Chemicals

George W. Merck

President, Merck & Co.

Obviously I find it very difficult in these times of unsettled national and international affairs to see clearly what the future holds for business in the chemical industry, and I hesitate to make any statement in the face of the possible effects of these conditions.

But it is quite apparent that for some months there has been a progressive improvement in the basic conditions of our industry, which must reflect a strengthening of confidence. Considering the inevitable untoward effect of the uncertainties under which we all labor, there must be a fundamental substratum on which this confidence finds a foundation.

This is, of course, arguing cause from effect, and I am naturally not free from the fault of wishful thinking, for I—together with other leaders in the chemical industry—hope that this return of confidence will stimulate business and bring about a return of the conditions which characterized 1936 and the early part of last year.

Francis J. McDonough

President, New York Quinine & Chemical Works

We feel decidedly optimistic because there has been a lull in buying for almost a year, so the stocks in the hands of manufacturers and distributors must be rather small.

When one or two items advanced a month or so ago it was surprising the number of people who came in and tried to buy at the old figure, indicating that they had confidence in the future but were trying to cover themselves at low levels. Prices in our field are too low in many cases, and we feel that there are a good many products which will have to be advanced so as to meet the current cost of handling them, or else we will have to abandon handling them because no one can do business for nothing, after all.

Some of the pharmaceutical houses are showing signs of buying and the records of city and government purchases within the last few months are pretty high. Heretofore considerable quantities of bromides, bismuths, and iodides were exported, but we do not expect it to continue. This was due to the fact that our dollar was quoted low in the foreign exchanges of the world, but the position is now reversed, and the tendency is upward for the reason that, with higher wages, shorter hours, which means an increased overhead, manufacturers will have to get better prices than exist at present or else they will have to go out of business.

—Continued on page 56

Formaldehyde Unit Started by Kay-Fries

Kay-Fries Chemicals, Inc., this city, has started production of formaldehyde at its West Haverstraw, N. Y., plant, according to J. T. Ames, vice-president. Mr. Ames stated that the annual production capacity of the new formaldehyde unit is between 12,000,000 and 20,000,000 pounds. A synthetic methanol process will be utilized for production.

Kay-Fries Chemicals, Inc., is a member of the Tennant Consolidated group of companies which has been prominently identified with the world chemical industry for 140 years. The purpose for entering the production of formaldehyde, Mr. Ames explained, was to round out the company's line of chemicals entering the resin, plastic, lacquer and kindred chemical consuming industries. Distribution of the product will be made by American British Chemical Supplies, Inc., this city, an associate of the Kay-Fries organization.

Squibb & Sons Forms Research Institute

E. R. Squibb & Sons, pharmaceutical manufacturer, this city, has organized the Squibb Institute for Medical Research, in which a staff of scientists assembled from leading institutions of the United States and foreign countries will attack problems involved in the

Dr. G. A. Harrop

cure of disease and relief of pain. The institute will be housed in a new laboratory building constructed at a cost of $750,000 in New Brunswick, N. J. The dedication of the new laboratory will take place in early October, with men of science from all parts of the country participating.

Research activity, already under way, has been organized in four main divisions—experimental medicine, pharmacology, bacteriology and virus diseases, and organic chemistry. In addition, the institute will operate a biochemical laboratory and a medicinal chemistry laboratory. The scientists will continue studies begun in the laboratories with which they were previously associated, and new lines of investigation will be opened up.

Dr. George A. Harrop, formerly associate professor of medicine in Johns Hopkins University and associate physician of the Johns Hopkins hospital, has been appointed director of research in direct charge of the institute. Dr. Harrop will also head the division of experimental medicine.

—Continued on page 42

A.Ph.A. Discusses Outlook for Pharmacy

Minneapolis, Minn., Aug. 25, 1938

Pharmacy's place in the government's plans for providing medical care to low-income groups proved to be the most important topic of consideration and discussion at the eighty-sixth annual convention of the American Pharmaceutical Association and affiliated organizations, which is meeting in this city, August 22 to 26.

Beginning with a panel discussion at the meeting of the American Association of Colleges of Pharmacy on Monday evening and continuing throughout the week, with addresses by R. G. Leland, chairman of the bureau of medical economics of the American Medical Association; Dean C. B. Jordan, of the school of pharmacy of Purdue University; and by A. L. I. Winne, of Richmond, Va., chairman of the house of delegates of the A. Ph.A., the problem of socialization of the public health profession was described from all angles. It was expected that the association would take some action in the matter, by resolution, at its closing session.

Mr. Winne suggested the appointment of a competent committee to study the whole movement and to direct its study particularly to what

—Continued on page 44

Trade Association Roles to Be Studied

OPD Washington Bureau
August 24, 1938

An intensive study of the operation of trade associations will be an important part of the work of the National Economic Committee, according to officials of that agency.

The survey will be handled by the Department of Commerce, and one of the first steps will be the sending out of questionnaires to trade associations, probably some time in September.

Although the form of the questionnaire has not yet been drafted, it is expected that it will call for information in great detail on membership of associations, control of policy, functions of associations, service rendered to members, and the extent to which any given association is representative of a trade. The answers are expected to aid the committee in determining the economic effects of trade association practices.

Officials pointed out that the Federal government has not since NRA days been engaged in an activity through which it would gain a wide knowledge of the workings of such organizations, with the result that very little information concerning the growth and workings of associations during the last few years is available.

Fairchild Scholarship Won By A.W. Steers for 1938

The Fairchild scholarship has been awarded to Arthur W. Steers, of the College of Pharmacy of the University of Washington. Twenty-five candidates participated in the examination representing seventeen schools. Six of these candidates averaged 75 percent or more. The examinations were given under four subjects:—Pharmacy, chemistry, materia medica, and pharmaceutical arithmetic.

Mr. Steers scored a general average of 91.99, while the second highest general average was 83.33. He also made the highest marks in all branches, with his ratings for the various branches as follows:—Pharmacy, 96.78; pharmaceutical arithmetic, 100; chemistry, 81.00; materia medica, 90.20. Mr. Steers graduated from Washington University in 1934.

Processing Industries Still at Low Stage But Getting Better

Production activities in the textile, leather, paper, glass, rubber, and other industries that are large consumers of chemicals as process materials have been showing improvement since the end of June, but in most of the lines there is still a long way to go before their prerecession points of last year will be reached. The general bettering of sentiment is shown by these industries beyond the degree to which their markets depend on improvement in consuming markets. Leaders in these industries exhibit a growing belief that their recovery on a firm foundation depends largely on their own policies. There is particularly evident the thought that it will not be helpful to produce goods faster than they can be sold, even though it is recognized that stocks in the hands of distributors and consumers have been substantially reduced.

Buying of processing materials by these industries will probably have a slow but steady increase in aggregate volume. But, unless some unforeseen condition threatens, it is not likely that supplies will be laid in beyond the volume required for nearby needs.

Comments from reliable sources in the processing industries provide the REPORTER with the following pictures:—

Textiles

Activities in the textile field, which had begun to increase in June, showed a marked gain in July, particularly in the cotton goods division, and got up to within 12 percent of the 1937 level. Silk deliveries in July were larger than at that time a year ago.

Conditions were not so gratifying in the wool textiles field, although consumption had noticeably reduced inventories at June 30. Prices of the material were low, but here was a feeling in the industry that the bettering of its markets demanded more careful consideration of their capacity in the determining of productive operations.

The following comment to the REPORTER is interesting:—

Paul B. Halstead

Secretary-Treasurer, The Cotton Textile Institute.

Increased production of cotton goods during July and early August has resulted from the exceptionally heavy volume of new orders placed on and after June 20. The current rate of operation is 10 percent higher than the rate prevailing a month ago but is 17 percent below a year ago at this time.

A number of mills have started up after having been closed for periods ranging from one to three months, and other mills have lengthened their shifts from two to three days a week to four or five days a week.

The improvement in the cotton mill situation, although helpful because it brought about a reversal in the downward trend, took place at a heavy sacrifice to the mills. Mill margins June 20 were the lowest in years and represented heavy losses in practically all staple goods. Very little improvement has been made in margins since then and it may be some time before the industry is on a profit basis.

Stocks owned by mills have shown an encouraging downward trend after remaining more or less stationary since the first of the year.

—Continued on page 56

Closing Market Developments

Agricultural Organics Hold

Rough ammoniates held their ground after earlier weakness. The market was wholly lacking in buying attention, but the sellers were not disposed to offer further concessions.

Cottonseed Oil Firmer

Cottonseed oil futures were firmer on Friday, prices advancing moderately with cotton, the latter being strengthened by a report that the Commodity Credit Corporation would announce a loan to producers after the close of the market. Cottonseed oil shorts covered and there was some commission house buying for a turn on the long side. December closed at 7.95c. as compared with 8.15c. at the close of the previous week.

Tin Salts Steady

Quotations for the various tin derivatives failed to fluctuate in either direction later in the week. Soda stannate was quoted at 29c. to 32c. per pound; tin crystals, 34½c. to 35c. per pound and anhydrous tetrachloride of tin, 22c. per pound. Straits metal closed at 43⅜c. per pound.

Domestic Copper Firm

Although business in the domestic copper market continued quiet, a firm price tone remained in evidence. The firmness could be attributed to the activity in the export market, and the higher quotations. Later in the day foreign price was 10.25c. per pound, c.i.f. European base ports.

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Copra:—The importation of copra into Turkey has been freed from the conditions of the decree of April 7 making importation conditional upon the exportation of certain specified Turkish products.

Epsom Salts:—Palestine has revised the import duty from 0.50 mils per net kilo to 12 percent ad valorem.

Gasoline:—A Nicaraguan presidential decree has increased from 5 to 20 centavos per gallon the consumption tax on gasoline, and establishes new taxes of 20 centavos per gallon on naphtha and 40 centavos per kilo on lubricating oils and greases, applying also to substitutes of these products, used by automotive vehicles operating on the national highway.

Heavy Oils:—French West Africa has revised the import duty on heavy oils other than for motor fuels to 8 percent ad valorem, and for heavy oils for motor fuels, 5 percent ad valorem.

Grain Derivatives:—Netherlands has increased the monopoly fees on imports of grain derivatives, except starches.

Hydrocyanic Acid:—A new French decree-law outlines the provisions under which the hydrocyanic acid may be used in agriculture as a disinfectant or fumigant.

Jute Bagging:—Chile has established a quota on imported burlap and jute bags and sacks of 1,700,000 units for the period from July 28, 1938, to March 31, 1939. Under the provisions of the decree, import licenses are required for the entry of burlap as well as of jute bags or sacks for packing grain or other products, but excluding jute bags used by the nitrate and mining industries for packing their products.

Logwood Extract:—Germany has added extracts of logwood, yellow wood, barwood and other vegetable-dye extracts to the list of articles which can only be imported under special permit.

Mineral Oils:—The Italian sales tax on residues from the distillation of mineral oils, of a density of not less than 0.900 at 15 degrees centigrade, black and unsuitable for lubricating purposes, for use directly and exclusively as fuel in boilers and furnaces, has been increased from 0.40 lira to 4 lire per 100 kilos.

Parcel-Post:—The weight limit for parcel-post packages for Pelotas, Porto Alegre, Rio Grande, Santos, and Sao Paulo, Brazil, has been increased to forty-four pounds, according to the United States Post Office Department.

Chemical Prices Point Downward

Although their influence was not sufficient to effect a perceptible change in the general average, reductions were more numerous and more significant than advances among the price changes made last week in the markets for heavy and fine chemicals. They applied principally to several of the less common metal groups.

The volume of business as a whole was the largest for this year; but the call was scattered and some seasonal recessions were noticeable. Expectations for the postvacation period were universally good insofar as volume is concerned, but there was no definite feeling that prices would be increased.

Prices were advanced on antimony, aloin, cocoa butter, and Japanese sardine meal.

Prices were reduced on quicksilver, cadmium, sulphide of cadmium, tungstic acid, oxide of tungsten, tungstate of soda, imported crude naphthalene, gum rosin, several East Indies and Manila copals, and domestic tankage and dried blood.

The REPORTER'S composite index number of prices for heavy and fine chemicals remained at 125.7 (100=average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 89.0, compared with 90.0 a year ago and 88.7 in 1936.

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Management Problems Slated for Discussion

Management problems covering a wide scope will be discussed from various national viewpoints in the seventh triennial International Management Congress, which will be convened in Washington September 19 and continued until September 23.

The proceedings of the congress will be published, and it is indicated by the scheduled discussions that these will constitute an informative contribution to the literature of management in manufacturing industry, commerce, agriculture, and the home. The proceedings will be contained in seven volumes which will be furnished to all who are registered at the congress. The registration fee will be $10, and advance registration is desired as early as possible.

Particulars mays be obtained from Nathaniel W. Barnes, executive secretary, 347 Madison avenue, New York.

An outline of the programs of the general and technical sessions is given below.

General Sessions

September 19

11 a.m.—Presiding, Willis H. Booth, honorary chairman. Message of welcome, Cordell Hull, Secretary of State; responses, Lord Leverhulme, president of the International Committee of Scientific Management, and representatives of foreign delegations.

12:15 p.m.—Presiding, W. Averell Harriman, of Brown Brothers, Harriman & Co.; "Management's Responsibility to Society," A. W. Robertson, chairman of the Westinghouse Electric & Manufacturing Company; "Development of the Management Movement—a Review and an Interpretation," Harry Arthur Hopf, deputy president of the International Committee of Scientific Management.

September 20

12:15 p.m.—Presiding, Harvey N. Davis, president of the American Society of Mechanical Engineers; "Psychological Foundations of Management," Henry C. Link, director of the Psychological Corporation; "Human Aspects of Management," Maurice Ponthiere, director de l'Ecole d'Organisation Scientifique du Travail de Paris.

8:00 p.m.—Presiding, C. S. Ching, director of industrial and public relations for U. S. Rubber Products, Inc.; topic, "A Common Ground for Labor and Management"—"Labor's Aims and Responsibilities," Robert J. Watt, American Workers' delegate to International Labor Office; "Management's Aims and Responsibilities," Lewis H. Brown, president of the Johns-Manville Corporation; "The Public's Concern in Industrial Harmony," William Allen White, editor of *The Emporia Gazette*—"The Machinery for Industrial Conciliation and Arbitration in Great Britain," R. Lloyd Roberts, chief labor officer for Imperial Chemical Industries.

September 21

12:15 p.m.—Presiding, Leverett S. Lyon, executive vice-president of Brookings Institute; "Influence of Technical Progress upon Social Development," Karl T. Compton, president of Massachusetts Institute of Technology; "The Social Aspects of Scientific Management," G. Seebauer, director of the Reichskuratorium fuer Wirtschaftlichkeit.

September 22

12:15 p.m.—Presiding, Charles R. Hook, president of the National Association of Manufacturers; "The Continuance of Free Enterprise," W. J. Cameron, of the Ford Motor Company, and A. Basch, manager for the United Chemical & Metallurgical Works, Prague.

2:30 p.m.—Presiding, Charles Francis, president of the General Foods Corporation; "Reshaping Distribution to Modern

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Calif. Olive Oil Makers To Form Trade Ass'n

Fresno, Calif., Aug. 24, 1938

The olive oil manufacturers in California, meeting at Fresno August 13, rejected a proposed program under the fair trades practice act. More than fifty plant operators and representatives from nearly all of the forty olive oil manufacturing concerns in the State agreed to substitute a co-operative trade association plan, to be put into effect late in August, it was announced by R. D. Maselli, of Fresno, chairman of a special committee which had been named to formulate the original plan under the fair trade act.

Others on the committee were: Joseph Napolitano and Frank Pasarelli, both of Los Angeles; Louis Padula, of Porterville; A. Benati, Ribelli B. Maselli and John King, all of Lindsay; John Lopoplo, of Fresno; Michael Bombacigno, of Modesto; Joe Glick, of Corning, and Charles Livatti, of Roserville.

Chemical Workers And Payrolls Down

Employment Off 0.1 Percent —Payroll Totals Show Loss —Both Are Well Under 1937

Employment in factories engaged in the manufacture of chemicals and related products in the United States noted a decrease of 0.1 percent from June 15 to July 15, according to the Bureau of Labor Statistics. At the end of the monthly period employment was 16.3 percent below the corresponding level of July last year. Payrolls showed a decrease of 0.6 percent from June 15 to July 15 and stood 18.8 percent below the corresponding level for 1937.

The Bureau of Labor Statistics index number for factory employment in the chemical group of industries for July 15, 1938, was 104.1 (100=1923-25 average), compared with 103.9 for June and 124.3 in July last year. For payroll totals the index number was 114.2 (same basis), compared with 114.8 for June and 136.8 in July last year.

The bureau's general index numbers for all manufacturing industries July 15, 1938, showed the following comparisons:—

	July, 1938.	June, 1938.	July, 1937.
Employment	76.4	75.9	101.4
Payroll totals	67.5	67.2	100.4

Employment in the chemical group of industries was 3.6 percent above the average for all industries. Payroll totals were 6.9 percent above the general average for all industries.

Detailed Comparisons

Employment

(100=1923-25 average)

	July, 1938.	June, 1938.	July, 1937.
Chemicals	107.7	107.7	139.5
Cottonseed oil, cake and meal	45.5	47.9	41.8
Druggists' preparations	103.3	103.7	106.2
Explosives	85.2	84.9	95.3
Fertilizers	57.1	62.3	69.8
Paint and varnishes	114.6	116.7	136.3
Petroleum refining	118.5	117.6	127.5
Rayon and allied products	289.8	284.2	401.0
Soap	93.4	91.7	102.4

—*Continued on page* 26

Herrick Assistant Chief Of Chemistry and Soils

OPD Washington Bureau
August 22, 1938

Horace T. Herrick has been appointed an assistant chief of the Bureau of Chemistry and Soils of the Department of Agriculture. He will assume responsibility for the general direction and coordination of the chemical and chemical engineering investigations of the four regional research laboratories

H. T. Herrick

authorized in the agricultural adjustment act of 1938 to conduct researches into and to develop new scientific, chemical, and technical uses for farm products and byproducts.

Mr. Herrick has been with the bureau for twelve years. He was first chief of the color and farm waste division, and later of the industrial farm products research division, which includes the agricultural byproducts laboratory at the Iowa State College, and the regional soybean industrial products laboratory at the University of Illinois.

He received the bachelor's degree from Princeton University, and took his chemical engineering degree at Columbia University.

Agicide Will Finish Cube Patent Appeal

Agicide Laboratories, Milwaukee, intends to carry through to completion its appeal from the decision of Federal Judge Geiger upholding the validity of the Dennis patent covering certain uses of cube root as an insecticide. L. E. Pitner, a partner in the laboratories, has told the REPORTER that the transcripts of the records of the case before Judge Geiger have been completed, and that the preparation of the briefs of counsel is well under way.

It is the intention of Agicide Laboratories to endeavor to have the appeal of the case heard by the United States Circuit Court of Appeals early in 1939. The appellant's contentions are that the Dennis patent is not valid because of anticipatory developments in the field of its application, and that the scope of the patent, whether valid or not, does not comprise the use of cube root or timbo root in the manner of its utilization in the Agicide process.

Curtis Resigns as T.V.A. Chief Chemical Engineer

Knoxville, Tenn., Aug. 23, 1938

Harry A. Curtis has resigned as chief chemical engineer for the Tennessee Valley Authority effective October 1, to become dean of the College of Engineering of the University of Missouri, Columbia, Mo. He will continue to render part-time service to the authority on a consulting basis.

Dr. Curtis has been with the authority since 1933. Under his direction the authority's research program in the fertilizer field has made significant accomplishments and the development of equipment fundamental to programs of soil conservation, industry, and national defense have been realized.

U. S. Demands Prompt Payment For Mexican Land Seizures

OPD Washington Bureau
August 25, 1938

Demand for prompt and adequate compensation of the $10,132,388 agrarian lands confiscated from Americans by the Mexican government subsequent to 1927 was made in a note of Secretary of State Cordell Hull, sent to Mexico Monday last, and which was made public August 25. Secretary Hull stated that the expropriation of land without "effective payment" constitutes "unadulterated confiscation."

Secretary Hull stated that the United States was willing to submit the claims to arbitration, as suggested in his note of July 21, which was rejected by Mexico August 3, or to submit them to commissioners chosen by the United States and Mexico and an arbitrator named under the terms of the Gondra treaty, signed in 1923. While the note was confined to agrarian lands, Mr. Hull declared "Mexico should agree that no further taking of the properties of American nationals should take place unless accompanied by arrangements for adequate, prompt and effective payment."

Secretary Hull indicated that diplomacy had failed to settle the disputes with Mexico after years of effort, and hinted that arbitration was the only course left for the settlement of the question. The note contended that the taking of property without compensation is not expropriation, but it was confiscation. Secretary Hull pointed out that the United States has repeatedly stated that it sought just and not unjust compensation so far as amount was concerned.

The note went on to state that the government of Mexico now proposes to talk about the valuation of some of the lands of the American citizens seized by the Mexican government in recent years. Seemingly, the note explained, the Mexican government proposes to continue the policy of taking property without making payments, while continuing discussions of past undertakings.

In answering the August note of the Mexican government claiming that suspension of payment of its agrarian debt measure affected equally Mexicans and foreigners, the note stated that the United States was not requesting privileged treatment for its nationals residing in Mexico. In fact, the note emphatically stated that the United States government has on repeated occasions made it clear that under no circumstances has it requested special treatment for its nationals in the other American republics nor support any treatment other than that in harmony with international law.

The reply of Secretary Hull to August 3 note said that, reduced to its essential terms, the contention asserted by the Mexican government, as set forth in its reply and as evidenced by its practices in recent years, is plainly this: that any government may, on the ground that its municipal legislation so permits, or on the plea that its financial situation makes prompt and adequate compensation onerous or impossible, seize properties owned by foreigners within its jurisdiction, utilize them for whatever purpose it sees fit, and refrain from providing effective payment therefor, either at the time of seizure or at any assured time in the future.

A copy of this note was delivered by Mr. Hull to Francisco Castillo Najera, Mexican ambassador, on Monday, within a few hours after Secretary Hull had received him for an interview in which they discussed its contents.

Chinese Vegetable Tallow

Source, Preparation, Sampling, Testing

By K. Ho, C.T. Chen, and P.P. Hsu
Chemical Research Laboratory, Government Testing Bureau, Hankow, China

(Continued from August 22 issue)

Second Instalment

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Dr.C.Y.Wang, Commissioner of the Government Testing Bureau

Titer of Tallow-Oil Mixtures

The titers of the fatty acids of vegetable tallow and stillingia oil obtainable on the local market were separately determined. The tallow and oil were then mixed in various proportions and their titers determined again. The results are given in table V.

Table V

Titer of Mixtures of Vegetable Tallow and Stillingia Oil

Vegetable tallow, (percent)	Stillingia oil, (percent)	Titer, (°C.)
0	100	14.7
30	70	33.8
40	60	38.3
50	50	41.8
60	40	45.1
70	30	47.8
80	20	50.0
90	10	52.0
100	0	54.0

The insoluble fatty acids of stillingia oil alone give a titer of 14.7°C.; while those of white vegetable tallow alone give a titer of 54.0°C. The data in table V are then plotted in figure 1 with titer as ordinate and percentages of vegetable tallow and stillingia oil as abscissa.

The titer of a mixture of 53.4 percent of vegetable tallow and 46.6 percent of stillingia oil as occurred in nature should be around 43.0°C., according to figure 1. Our determinations of titer of green vegetable tallows as given in table IV range from 42.0°C. to 44.6°C.

The quality of both the white and green vegetable tallows obtainable in Hankow can be deduced from the data given above.

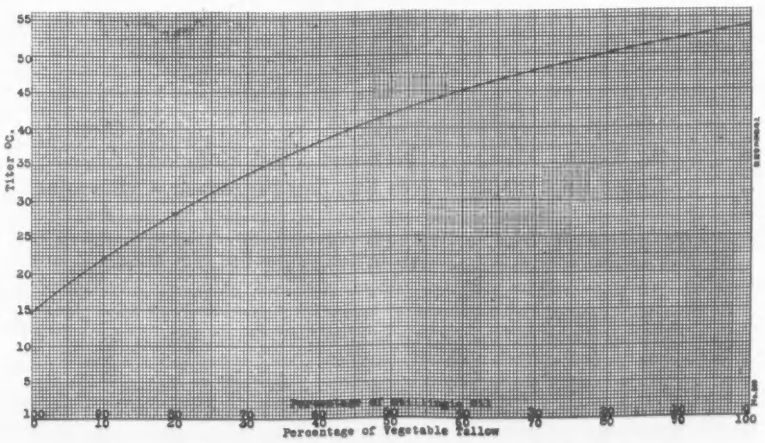
Effect of Tube Size and Stirring

The different methods[4] for determining titer as given in standard books are

[4] Lewkowitsch and Warburton: Chemical Technology and Analysis of Oils, Fats and Waxes (sixth edition).
[5] Nakaniori, E.: Pi-yu (Chinese Vegetable Tallow); J. Chem. Ind. Tokio—22:1064-6 (1919). (Note:—This reference was erroneously stated in the first instalment, August 22).

—*Continued on page* 46

Figure 1



Titer of Mixture of Vegetable Tallow and Stillingia Oil

A.C.S. Meeting In Milwaukee Sept. 5

Milwaukee, Wis., Aug. 25, 1938

The American Chemical Society will meet in Milwaukee September 5 to 9. Registration for the meeting will be held in the Hotel Schroeder. The general meeting and most of the divisional meetings will be held in the Milwaukee Auditorium, a few blocks north of the hotel.

Frank C. Whitmore, of Pennsylvania State College, will deliver an address as president of the society on "Looking Backward and Forward in American Chemistry." The presentation of the society's award in pure chemistry will be formally made to Paul Doughty Bartlett, as well as the presentation of the Priestley medal to its recipient, Marston Taylor Bogert, who will deliver an address on "From the Cradle to the Grave."

Members of the various divisions will visit a number of laboratories and industrial plants, including the U. S. Forest Laboratory, Madison; the Institute of Paper Chemistry, at Lawrence College; the Kimberly-Clark Corporation; the Schlitz Brewing Company; the Milwaukee filtration plant; Premier-Pabst Brewing Company; A. F. Gallun & Sons; Allis-Chalmers Manufacturing Company; Milwaukee sewage disposal plant; the paint division of the Pittsburgh Plate Glass Company; the Flak Company, and the Marquette University School of Medicine, where some special exhibits have been arranged for the convention.

Many symposiums are scheduled for the meeting, including one on the physical chemistry of the proteins; another on the industrial utilization of agricultural products and others will cover surface-active agents; unit processes in industrial and engineering chemistry; electrical insulating materials, vitamins; nomemclature of sugars; the chemistry of liquid ammonia solutions.

—*Continued on page 29*

National Agrol Co. Formed

The National Agrol Company has been incorporated under the laws of Delaware to manufacture chemicals and chemical compounds. The capital, which amounts to $5,100,000, consists of 50,000 shares of preferred stock of $100 par value and 100,000 shares of common stock of $1 par value.

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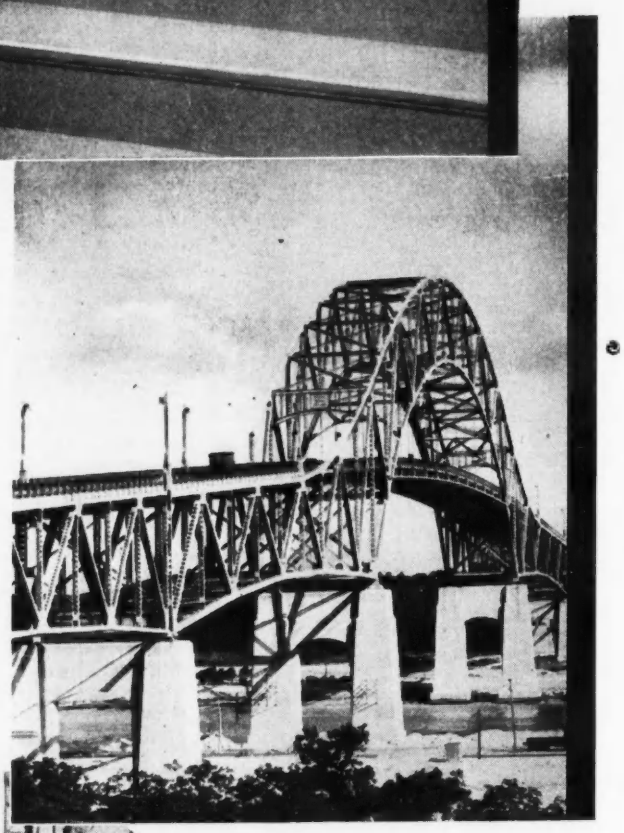

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TRADE MARK

Current Market Quotations

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Prices changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, 55 & 110 gls., dms., dlvd..lb. .14 - —
5 & 10 gal. dms., dlvd.....lb. .16 - —
Acetamide, CP, kgs., 1,000 lb. lots, dlvd..lb. .44 - —
tech., kgs, 1,000 lb. lots, dlvd. lb. .39 - —
Acetanilide, tech., 95%, bbls..lb. .29 Nom.
USP, cryst., bbls., 2,000 lb. lots lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25 lb. lots.....lb. .38 - —
kgs, 2,000 lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000 lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25 lb. lots.....lb. .36 - —
kgs., 2,000 lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .65 - .70
Acetone, CP, dms., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06¼- —
tanks, dlvd.....lb. .04¾- —
Methyl (see M)
Acetonphenone, bots.....lb. 1.30 - 1.45
cns., 25 lbs.....lb. 1.15 - 1.25
dms., 100 lbs.....lb. 1.05 - —
Acetophenetidin, bbls., kegs, 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
Acid, abietic, dms., c.l.....lb. .08¾- —
l.c.l. .....lb. .09 - .12
Acetic, comi. or redist., 28%, bbls..100 lbs. 2.23 - 2.43
cbys. .....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys. .....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys. .....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys. .....100 lbs. 6.39 - 6.64
glacial, nat., CP., cbys..100 lbs. 14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
cbys. .....100 lbs. 8.12 - 8.37
USP, bbls.....100 lbs. 10.25 -10.50
cbys. .....100 lbs. 10.75 -11.00
synth., 99.5%, al. dms., 100 lbs. 8.43 - 8.68
cbys. .....100 lbs. 8.68 - 9.18
USP, al. dms.....100 lbs. 10.25 -10.50
cbys. .....100 lbs. 10.75 -11.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys. .....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys. .....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys. .....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys. .....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply div'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States, except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10¼- .11¼
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, USP, bbls., 200 lbs..lb. .60 - —
boxes, 25 lbs.....lb. .61 - —
kgs., 100 lbs.....lb. .60 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White),
USP, powd., dms., kegs...lb. .22 - .25
Ascorbic, bots., dms.....oz. 3.00 - 3.25
Battery, cbys, c.l., E. works 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-24, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, delvd. ton.106.00 - —
c.l., dlvd.....ton.111.00 - —
l.c.l., ex whse.....ton.118.00 -123.00
sks., contracts, 80 tons, dlvd..ton.96.00 - —
c.l., dlvd.....ton.101.00 - —
l.c.l., ex whse.....ton.108.00 -113.00
powd., bbls., contracts, 80 tons, dlvd..ton.111.00 - —
c.l., dlvd.....ton.116.00 - —
l.c.l., ex whse.....ton.123.00 -138.00
sks., contracts, 80 tons, dlvd..ton.101.00 - —
c.l., dlvd.....ton.106.00 - —
l.c.l., ex whse.....ton.113.00 -128.00
U.S.P., $25 per ton higher.
Broenner's, bbls.....lb. 1.11 - —
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Camphoric, cns.....lb. 5.50 - 5.70
Capric, dms.....lb. .12 - .12½
Caproic, cns.....lb. 2.20 - —
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .17½- .18
Chinawood oil, dms.....lb. .16 Nom.
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., delvd. N. Y..lb. .15¼- .17½
Cinnamic, refd., bc's.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .22 - —
10,000 lb., lots, one shipt., lb. .22½- —
smaller lots .....lb. .23 - —
kegs .....lb. .23½- —

Acid, citric, anhyd., gran, dms., 10,000 lbs. 1 shipt..lb. .23 - —
smaller lots .....lb. .25½- —
Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b., N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.
Cleve's, bbls. .....lb. .57 - —
Coconut oil, dist., dms.....lb. .09¼- .09¾
Corn, dist., dms.....lb. .08¾- .08¾
Cottonseed oil, dist., dms...lb. .06¾- .07¼
tanks .....lb. .06¼- —
Cresylic, high-boil, dom., c.l., works, frt. equaled..gal. .73 - —
l.c.l., same basis.....gal. .74 - —
low-boil, dms., c.l., works frt. equaled..gal. .78 - —
l.c.l., same basis.....lb. .80 - —
imported, pale, dms.....gal. .75 - .86½
dark, dms. .....gal. .70 - —
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital))
Formic, dom., seaboard, 90% cbys., f.o.b. stock points, c.l...lb. .10½- —
l.c.l., 25 and over..lb. .11 - —
1-24 .....lb. .11¼- —
inland territory, cbys., c.l.lb. .1185- —
l.c.l., 25 and over.....lb. .1235- —
1-24 .....lb. .1285- —
southern territory, cbys., c.l., lb. .1170- .1240
l.c.l., 25 and over.....lb. .1220- .1290
1-24 .....lb. .1270- .1320
Fumaric, bbls. .....lb. .75 - —
Gallic, tech., bbls.....lb. .70 - .73
N. F., VI, bbls., 200 lbs., 5 or more..lb. .77 - —
single bbls. .....lb. .80 - —
fib. dms., 25 lbs.....lb. .81 - —
Gamma, bbls. .....lb. .85 - —
Gluconic, tech., 50%, bbls., 600 lbs..lb. .20 - —
Hempseed oil, dms.....lb. .1180- .1225
Hydriodic, 47%, bots.....lb. 2.30 - —
5-lb. bots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct, cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls, works...lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .07 - .0750
lead, cbys. .....lb. .09 - .0950
48%, lead cbys.....lb. .1150- .12
52%, lead cbys.....lb. .1250- .13
60%, lead cbys.....lb. .15 - .1550
Hydrofluosilicic, 30-35%, 420 lb. bbls..lb. .09 - .09½
Hypophosphorus, USP, 30%, djns..lb. .75 - —
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works..100 lbs. 5.75 - —
cbys., works....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10½- .11½
plastic grade .....lb. .12¼- .13¼
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11¼- .12½
plastic grade.....lb. .13¼- .14¾
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys.....lb. .21¼- .22½
USP, XI, 85%, cbys.....lb. .43 - .45
USP VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., tech., dms....lb. .11¾- .12¼
Laurent's, bbls. .....lb. .45 - —
Levulinic, 5lb. bots., works..lb. 2.00 - —
Linseed, oil, dark or light, dms..lb. .1030- .1080
extra white, dist., dms....lb. .12½- .13
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., l.c.l.....lb. .33 - —
Malic powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs...lb. 1.90 - —
smaller lots .....lb. 2.15 - —
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls.lb. .15 - .18
Monosulphonic, bbls. .....lb. 1.50 - 1.60
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works..100 lbs. 2.10 - —
1 to 9, works..100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works..100 lbs. 2.60 - —
1 to 9, works..100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P., USP, dealers, cbys....lb. .06¼- —
6-lb. bots.....lb. .18¾- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .15¾- .16¼
Naphthenic, acidity, 120-200 dms., c.l..lb. .07 - —
210-230, dms., c.l.....lb. .09 - —
240-280, dms., c.l.....lb. .10 - —
Sludge, dms., c.l.....lb. .05 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works..100 lbs. 5.95 - —

Acid, nitric, 38°, cbys., c.l., E. works..100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works..100 lbs. 5.85 - —
1 to 9, works..100 lbs. 6.45 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works..100 lbs. 6.35 - —
1 to 9, works..100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works..100 lbs. 6.85 - —
1 to 9, works..100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11¼- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
71b. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs., and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms..lb. .06¼- .06¾
tanks .....lb. .05¾- —
Perilla, dist., dms.....lb. .14 - .14¼
Phenylacetic, bots. .....lb. 1.75 - 3.00
Phosphoric, tech., 50%, cbys.lb. .06 - —
75%, cbys.....lb. .09 - —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50% s. g., 1347, cbys., 70 lbs..lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns..lb. .07 - .07¼
Picramic, kgs.....lb. .65 - .70
Picric, bbls. .....lb. .35 - —
Propionic ref., cbys., works..lb. .25 Nom.
dms., works.....lb. .22 Nom.
tech., cbys., works.....lb. .20 Nom.
dms., works.....lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls..lb. 1.05 - —
cns. .....lb. 1.10 - —
USP, cryst, cns.....lb. 1.45 - 1.62
resubl., cns.....lb. 2.05 - 2.15
Pyroligneous, bbls., dlvd. E. gal. .25 - —
Ricinoleic, dms .....lb. .35 - —
tech., bbls.....lb. .13 - —
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .40 - .45
Sebacic, C.P., bbls., works..lb. .58 - —
tech., bbls., works.....lb. .37 - .41
Soybean oil, dist., dms.....lb. .09 - .09¼
Stearic, distil., double pressed, bgs., dlvd..lb. .10½- .11½
single pressed, bgs., dlvd..lb. .10 - .11
triple pressed, bgs., dlvd..lb. .13¼- .14¼
saponif., double pressed, bgs., dlvd..lb. .10¾- .11¾
triple pressed, bgs., dlvd.lb. .13½- .14½
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots, works.lb. 1.60 - 1.68
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9, works..100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
C.P., USP., dealers, cbys. lb. .06¼- —
9-lb. bots. .....lb. .16½- —
consumers, cbys. .....lb. .08 - —
9-lb. bots. .....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms...lb. .40 - .47
USP, fluffy, bbls., 1,000 lb.-
100-lb. lots .....lb. .90 - —
25-lb. lots .....lb. .93 - —
powd., bbls., 1,000 lbs....lb. .78 - —
smaller lots .....lb. .80 - —
Tartaric USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment..lb. .27¼- —
smaller quantities.....lb. .27¾- —
kgs. .....lb. .28¼- —
Tobias, bbls. .....lb. .65 - —
Trichloroacetic, bots. .....lb. 2.00 - 2.50
Tungstic, CP, kgs., works....lb. 2.60 - 2.85
tech., kgs., works.....lb. 1.65 - 1.75
Aconite, leaves, bls.....lb. .25 - .26
Root, bls.....lb. .28 - .30
Aconitine, amorph., bots.....oz.17.00 -18.00
vis. .....gr. .06 - .09
cryst., bots.....oz.30.00 - —
vis. .....gr. .09 - .11
Adeps lanae, anhyd., dms....lb. .17½- .19
hyd., dms.....lb. .16 - .18
Agar 1, bls.....lb. .85 - .90
2, bls. .....lb. .80 - .85
3, bls. .....lb. .63 - .65
Agaric, white, bls.....lb. 3.00 - 3.20
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld....lb. .13 - —
pow'd, grade A, same basis, ton lots..lb. .15 - —
lots..lb. .88 - —
smaller lots, same basis, lb. .18 - —
light, dom., flake, dms., f.o.b., Chicago., frt. alld. lb. .52 - .60
import, bgs. .....lb. .50 - —
Egg, ed., dom., cryst., bbls., lb. .80 - .82
dom., pwd., dms., bbls., lb. .85 - .87
import, cs.....lb. .80 - —
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .116 - —
l.c.l., frt. alld.....lb. .126 - —
tanks, frt. alld.....lb. .106 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09¼- .10
l.c.l., same terms.....lb. .10 - .10¼
tanks, same terms.....lb. .08½- .09
Benzyl, cans.....lb. .68 - —
drums .....lb. .63 - —

Acacia—Alum

Alcohol, butyl, normal, dms., c.l., frt. alld..lb. .09¼- —
l.c.l., frt. alld.....lb. .10 - —
tanks, frt. alld.....lb. .08½- —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .07 - —
l.c.l., same terms.....lb. .07½- —
tanks, same terms. .....lb. .06 - —
tertiary, denating, dms., frt. alld..lb. .14 - —
Capyri, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., C.P., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l., dms.....lb. .90 - —
import, 85%, 100 lb. dms...lb. .55 - —
5 to 10 lbs.....lb. .75 - —
comi., dms., 350 lbs.....lb. .45 - —
Cinnamic, bots. .....lb. 2.00 - 2.90
Denatured, CD14, dms., c.l., works, E..gal. .33 - —
l.c.l., works, dms., to jobbers..gal. .36 - —
works, dms., to dealers and industrial accounts, gal. .38 - —
tanks, E., works.....gal. .25 - —
Prices for territories other than E. of Rockies, 3c. per gal. higher. Tankcar sales require written authorization by Alcohol Tax Unit.
SDI, 190 pf., bbls., c.l., E. works..gal. .30 - —
19 bbls., E. works...gal. .32 - —
1 to 18 bbls., E. works, gal. .35 - —
dms., c.l., E. works....gal. .29 - —
19 dms., E. works...gal. .31 - —
1 to 18 dms., E. works, gal. .34 - —
tanks, E. works.....gal. .23 - —
Anhydrous, 3c. per gal. higher.
SD23-G, works, E., dms., c.l., 19 dms. .....gal. .35½- —
1 to 18 dms.....gal. .38½- —
tanks .....gal. .27½- —
Prices for territories other than E. of Rockies, 3c. per gal. higher.
Special solvent, dms., c.l., E., works..gal. .30 - —
20 dms., E. works...gal. .32 - —
1 to 19 dms., E. works, gal. .35 - —
tanks, E. works.....gal. .24 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, pure, contract, dms., c.l., frt., alld..lb. .11½- —
l.c.l., frt. alld.....lb. .12 - —
tanks, dlvd. .....lb. .10½- —
tech., contract, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11 - —
tanks, dlvd. .....lb. .09½- —
Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.56½- —
19 bbls. .....gal. 4.58½- —
1 to 18 bbls.....gal. 4.61½- —
dms., c.l. .....gal. 4.53½- —
19 dms. .....gal. 4.57½- —
1 to 18 dms. .....gal. 4.60½- —
tanks .....gal. 4.49½- —
absolute, dms., c.l.....gal. 4.88 - —
19 dms. .....gal. 4.90 - —
1 to 18 dms.....gal. 4.93 - —
Grain alcohol 25c. per gal. higher.
Furfuryl, tech., cns., works..lb. .45 - —
dms., c.l., 33,000 lbs., works, lb. .30 - —
l.c.l., 500 lbs. and more, works..lb. .35 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., c.l., works, frt. alld. E. of Rockies.lb. .08½- —
l.c.l., same terms.....lb. .09 - —
tanks, same terms.....lb. .07½- —
Isopropyl, refd., 91%, dms., c.l., f.o.b. dest..gal. .33½- —
l.c.l., same basis.....gal. .38½- —
tanks, same basis.....gal. .28½- —
99%, dms., c.l., same terms, gal. .36 - —
l.c.l., same terms....gal. .41 - —
tanks, same terms.....gal. .31 - —
Methyl (see Methanol)
Phenylethyl, bots., cns.....lb. 2.70 - 4.25
Propyl (see Isopropyl)
Propyl, normal, dms., works, gal. .70 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., dlvd..lb. .20 - —
5 and 10 gal. dms., dlvd....lb. .22 - —
Aletris root, bgs.....lb. .40 - .42
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .10 - .11
Aloe, Barbados, true, es.....lb. .85 - .90
Cape, cs.....lb. .20 - .22
Curacao, cs.....lb. .35 - .37
gourds, bbls.....lb. .50 - .55
Socotrine, kgs.....lb. .45 - .50
Aloin, 140-lb. bbls.....lb. 2.65 - —
100-lb. kgs.....lb. 2.67 - —
25-lb. fib. dms.....lb. 2.74 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, cube cut, bbls....lb. .30 - .32
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.15 - —
dlvd. N.Y. Phila...100 lbs. 3.15 - —
lump, bbls., works....100 lbs. 3.40 - —
dlvd., N.Y., Phila..100 lbs. 3.40 - —
powd., bbls., works....100 lbs. 3.55 - —
dlvd. N. Y., Phila..100 lbs. 3.55 - —

Alum—Antimony White

Alum, ammonia, powd., bbls, works..100 lbs. 3.55 - —
dlvd., N. Y., Phila...100 lbs. 3.55 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N.Y. prices apply to truck or ex warehouse.

Potash, gran., bbls., works.. 100 lbs. 3.40- 3.65
dlvd. N.Y., Phila..100 lbs. 3.40 - —
lump, bbls., works....100 lbs. 3.65 - 3.90
dlvd. N.Y. Phila..100 lbs. 3.65 - —
powd., bbls., works....100 lbs. 3.80 - 4.05
dlvd. N.Y., Phila..100 lbs. 3.80 - —

Potash alum prices on same basis as those for ammonia alum.

Potash-chrome, bbls.....lb. .06¼- .06½
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00

Alumina acetate, 20% normal solut., bbls., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .09 - —
13%, basic solut., bbls., c.l., dlvd..lb. .10 - —
l.c.l., dlvd.....lb. .12 - —
basic powd., bbls., dlvd.....lb. .40 - —
smaller containers, dlvd. lb. .50 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .06 - —
12,000 to 40,000 lbs, works..lb. .07 - —

Alumina, chloride, anhy., dms. (extra), 1,100 to 11,000 lbs., works..lb. .08 - —
140 to 875 lbs., works.lb. .09 - —
100 lbs., or less, works.lb. .10 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., dms., works.....lb. .06½ —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., cbys., works.....lb. .03¼- —
Formate, 30% solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls.....lb. .03½- —
bgs., c.l.....lb. .0260- —
light, bbls., dlvd.....lb. .12 - —
Oleate, dms., contr.....lb. .16¾- —
open order.....lb. .17½- .18½
Palmitate, precip., bbls.....lb. .23 - —
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., ton.....lb. .20 - —
less than ton.....lb. .21 - —
Sulphate, com'l, bgs., c.l. works, frt. equaled.100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - —
l.c.l., works, frt. equald. 100 lbs. 1.60 - —
iron-free, bgs., c.l., works... 100 lbs. 1.30 - —
l.c.l., works....100 lbs. 1.55 - —
bbls., c.l., works....100 lbs. 1.50 - —
l.c.l., works.....100 lbs. 1.75 - —

Aluminum, 98-99%, c. l.....lb. .20 - —
l.c.l. .....lb. .21 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .65 - —
ink, dms., 1,500 lbs....lb. .75 - —
standard, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .92 - —
standard, dms., 1,500 lbs.lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1500 lbs..lb. .42 - —
rubber compound, dms., 1,500 lbs..lb. .40 - —
unpolished, dms., 1,500 lbs.lb. .37 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
standard, dms., 1,500 lbs.lb. .42 - —

Aluminum paste and powder prices for lots smaller than 1,500 lbs. are 10c. per lb. higher for less than 200 lbs.; 5c. per lb. higher for 200-400 lbs.; 2c. per lb. higher for 400,-1,000 lbs.; and 1c. per lb. higher for 1,000-1,500 lbs.; for partial shipments on contracts, prices are 3c. per lb. higher on lots of less than 200 lbs.; 1c. per lb. higher for 200-400 lbs.; and ½c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. for 50 lbs.; 3c. per lb. for 10 lbs.; 5c. per lb. for 2 lbs.; 8c. per lb. for 1 lb.; and 12c. per lb. for ½ lbs.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.

Ambergris, gray, tins.....oz.17.00 -36.00
Aminopyrine, fib., dms., 100 lbs. lb. 4.00 - —
bots., 5 lbs. .....lb. 4.22 - 4.25

Ammonia, acetate, bbls., kgs., dlvd..lb. .27 - .33
dms., dlvd.....lb. .23 - .26
Aldehyde, dms.....lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.). works..lb. .04½- —
refrigeration, tanks, works..lb. .05 - —
pure, cyls., dlvd., met. N.Y., lb. .16 - .22

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02½- —
l.c.l. .....lb. .03½- —
tanks (on NH_3 content), dlvd., E..lb. .05½- —
Benzoate, dms., 4,000 lbs. or more..lb. .41 - .42
1,000 lbs. to 3,900 lbs....lb. .42 - .43
900 lbs. or less.....lb. .45 - .46
kgs., 4,000 lbs. or more....lb. .40 - —
1,000 lbs., to 3,900 lbs...lb. .41 - —
900 lbs. or less.....lb. .44 - —
Bicarbonate, bbls., c.l., works, 100 lbs. 5.15 - —
l.c.l., dlvd. N. Y....100 lbs. 5.71 - —
Bichromate, bbls.....lb. .32 - —
Bifluoride, bbls.....lb. .14½- .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kgs. .....lb. .36 - —
Carbonate, tech., dom., bbls. lb. .08 - .12½
imported, csks. .....lb. .08 - .12½
USP, lump, dms.....lb. .08 - .17
powd., bbls., dms.....lb. .09 - .25
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225 lb. bbls....lb. .12 - .13
100 lb. kgs. .....lb. .15 - —
Citrate, dms.....lb. .80 - —
cns. .....lb. .85 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide, (see Ammonia, aqua)
Hypophosphite, fib., dms.....lb. 1.10 - 1.17
jars .....lb. 1.20 -
Iodide, 5-lb. bots.....lb. 3.52 - —
jars .....lb. 3.45 - —
Laurate, bbls, ...lb. .25 -
Linoleate, 30%, anhyd., bbls.lb. .12 - .15
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Naphthenate, bbls. .....lb. .17 - —
Nitrate, tech., bags., c.l., works...100 lbs. 3.60 - —
l.c.l., works.....100 lbs. 3.85 - —
bbls., c.l., works.....100 lbs. 3.80 - —
l.c.l., works.....100 lbs. 4.05 - —
Oleate, dms.....lb. .14 - .15
Oxalate, neutral, cryst., powd., bbls., kgs..lb. .19 - .20
Perchlorate, kegs.....lb. .16 - —
Persulphate, kgs.....lb. .21 - .23
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
monobasic, crude (fert. grade), 11% N 18% phos. bulk, f.o.b. E. works.. unit-ton. 1.20 & .70
pure, bbls. .....lb. .40 - .45
tech., bbls., c,l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
Ricinoleate, bbls. .....lb. .15 - —
Salicylate, U.S.P., kgs.....lb. 1.15 - 1.20
Silicofluoride, imp., 350-lb. bbls., f.o.b. N. Y..lb. .09 - —
5 bbls., same basis.....lb. .08½- —
Stearate, anhydrous.....lb. .22 - —
paste .....lb. .07 - —
Sulphate, dom., bulk, c.l., f.o.b. August shipment..ton.26.75 - —
September shipt....ton.27.00 - —
October shipt.....ton.27.25 - —
November shipt....ton.27.50 - —
December shipt.....ton.27.75 - —
Jan.-June, 1939 shipt., ton.28.00 - —

Ammonia sulphate prices are f.o.b. cars nearest Atlantic or Gulf port, and/or $1 per ton less than above prices f.o.b. cars nearest inland producing oven, whichever is lower to destination.

Sulphide, liquid, 35-40%, basis 100%, dms,. works..lb. .12 - .18
tanks, delvd. .....lb. .11 - —
Sulphocyanide, com'l, fib., dms., 2,000 lbs., works.....lb. .14 - —
smaller lots, works.....lb. .16 - —
pure, 99-100%, kgs. .....lb. .55 - —
Ammoniac, gum (see Gum, ammoniac).
Sal, gray, dom,, bbls., c.l., 100 lbs. 5.50 - 6.75
l.c.l. .....100 lbs. 6.00 - 6.70
Sal, white, gran., dom., bbls., contracts, N. Y., l.c.l. 100 lbs. 4.90 - 5.05
import, csks. .....100 lbs. 4.90 - 5.05
Amyl acetate, ex fusel oil, dms., c.l., works..lb 11 - —
l.c.l., frt., alld.....lb. .11¼- —
tanks, works.....lb. .10 - —
ex pentane, dms., frt, alld.lb. .11 - —
l.c.l., frt., alld.....lb. .12 - —
tanks, frt., alld.....lb. .10 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dme., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .077 - —
tanks, works.....lb. .06 - —
Cinnamic aldehyde, cns.....lb. 2.00 - 2.25
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works.lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, bots., 5 lbs.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots. .....lb. 1.00 - 1.05
Angelica root, dom., bls.....lb. .16 - .22
import, natural, bls.....lb. .20 - .22
twisted, bls.....lb. .30 - .40
Angostura bark, bls.....lb. .30 - .31
Anilin oil, dms., c.l.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Spanish, bgs.....lb. .14 - .15
Star, bgs. .....lb. .12¾- .13¼
Anisic aldehyde, bots.....lb. 3.00 - 3.10
Annatto paste, bxs.....lb. .34 - .39
seed, bgs .....lb. .07½- .08
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride)
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .11¼- —
Needle, powd., ton lots, bulk, lb. .12½- —
bbls. .....lb. .13½- —
Oxide, bbls., c.l.....lb. .11½- —
l.c.l. .....lb. .12¼- —
Salts, 65%, kgs.....lb. .26 - .27
White, pigment, bgs., c.l., Texas works, frt. alld to ½c..lb. .11¼- .14¼

9 CUSTOM MADE Carbon BLACKS

ROYAL SPECTRA
Most intense in color.
SUPERTEX
The next in line.
SUPER SPECTRA
The standard high color black of the industry.
LAKOBLAK
For use where a somewhat lower standard must be used for economy.
SUPERBA
Medium high color, easy grinding black designed especially for synthetics.
No. 999
A moderately high color black suitable for industrial finishes.
No. 242
Lowest cost special black.
EXCELSIOR
The standard inexpensive all-purpose black.
NEO-SPECTRA MARK II
A vehicle-seeking black. High gloss and jet blackness with bluish tone. Especially recommended for quality synthetic enamels.

GOOD MEASURE...

A good measure of excellence is assured to paints and lacquers formulated with paint blacks distributed by Binney & Smith Company. This claim has been made possible by long, painstaking research from which nine blacks have resulted, each preeminent for specific vehicles. We invite inquiry regarding suitable blacks that will give your various products that good measure.

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DISTRIBUTORS
Specialists in Carbon Blacks, Bone Blacks and Oxides of Iron
41 East 42nd St., New York, N. Y.
COLUMBIAN CARBON CO.
MANUFACTURERS

Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots....lb. 2.10 - 2.15
Apomorphine, bots....oz.23.20 -23.70
Archil extract, con., bbls....lb. .21 - .27
double, bbls....lb. .18 - .20
triple, bbls....lb. .18 - .20
Areca nuts, powd., bbls....lb. .11 - .13
Arecoline hydrobromide, bots..oz. 4.35 - 4.50
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos.32.00 -34.00
Arnica flowers, bls....lb. .28 - .30
Root, bls....lb. .38 - .40
Arrowroot, St. Vincent, powd., bgs..lb. .08 - .08¾
bbls....lb. .08½- .09
Arsenic, metal, lump, cs....lb. .40 - .41
Chloride (arsenous), cns....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.35 - —
jars....lb. 5.20 - —
Red, import, cs....lb. .15¾- .16½
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l....lb. .03 - —
l.c.l....lb. .03¾- —
Asafetida, cs....lb. .25 - .26
powd., bbls., bxs....lb. .38 - .42
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.25.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.23.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.19.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.16.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.14.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y....lb. .02½- —
smaller lots, f.o.b. N. Y.lb. .03½- —
AA, bgs., 20 tons, f.o.b. N.Y., lb. .08½- —
smaller lots, f.o.b. N. Y..lb. .10½- —
California, dms., c.l., f.o.b. N. Y..ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l.,f.o.b.N.Y.lb. .12 - —
l.c.l., f.o.b. N.Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton.32.90 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton.51.00 - —
Jet., bgs., c.l., Western shipping points..ton.30.50 - —
Manjak (see Asphaltum, Barbados)
Mexican, Texas, dms., c.l., refinery...ton.19.00 - —
l.c.l., refinery....ton.21.00 - —
tanks, refinery....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif, refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery....gal. .06½- —
N. Orleans refinery....gal. .06 - —
Atropine, bots....oz. 5.25 - 5.80
Sulphate, bots....oz. 2.55 - 2.90
cns....oz. 2.80 - —

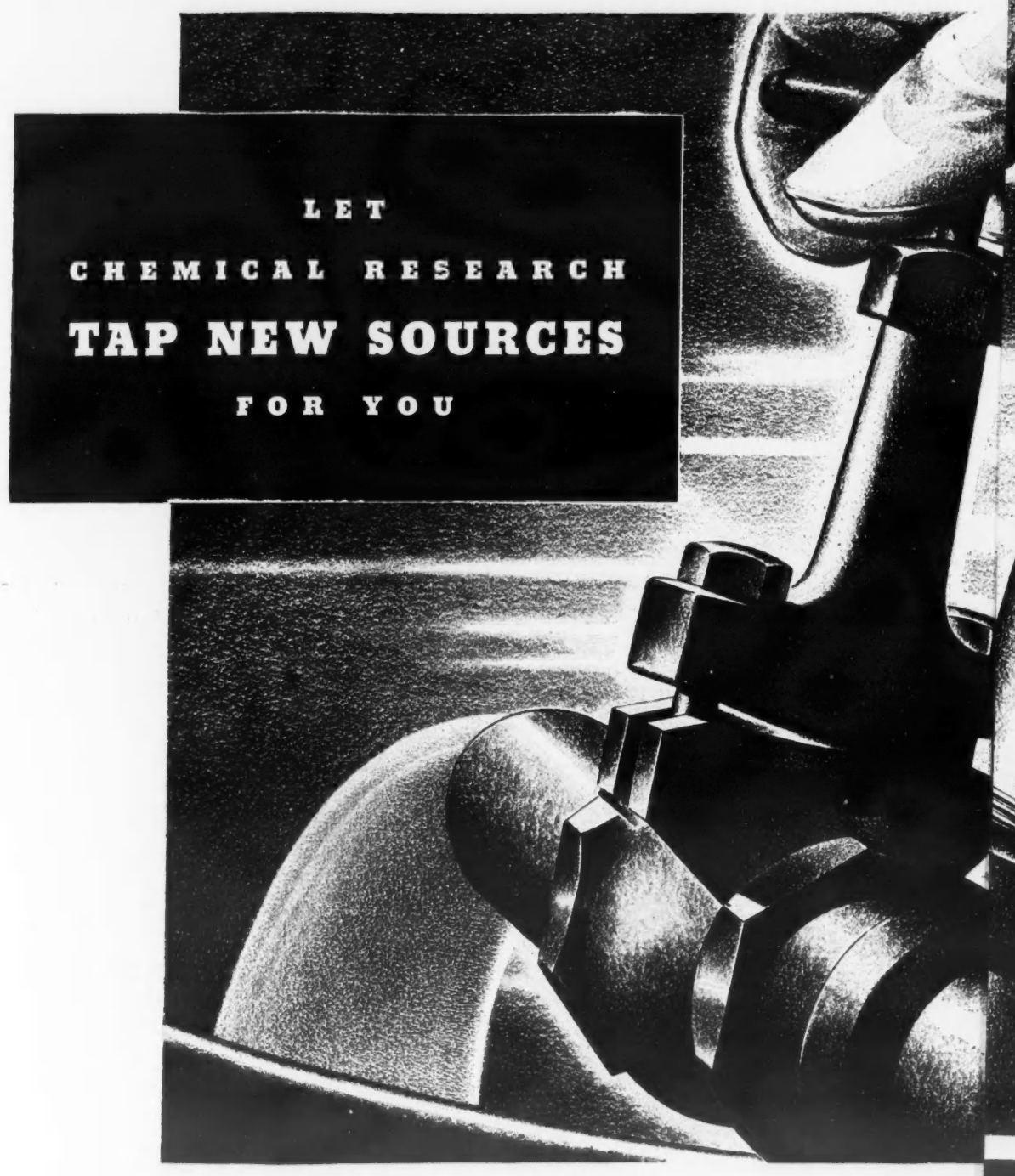
B

Balm of Gilead buds, bgs....lb. .33 - .35
Barberry bark, bgs....lb. .20 - .22
Tree bark, bls....lb. .09 - .10
Barbital, cs....lb. 3.25 - 3.80
Barium carbonate, natural, 90%-96%, grd., bgs., c.l., works, ton.41.00 -43.00
99% thru, 200, mesh bgs., c.l., works..ton.43.00 -45.00
precip., bgs., c.l., works..ton.52.50 - —
bbls., works....ton.57.50 - —
l.c.l., bgs., works....ton.57.50 - —
bbls., works....ton.62.50 - —
sulphur-free, bgs., bbls., c.l., works..ton.57.50 -62.50
Chlorate, kgs....lb. .16½- .17½
Chloride, C.P., cryst., bbls..lb. .19 - —
dms....lb. .20 - —
tech., dms., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line....ton.77.00 - —
bbls., same basis..ton.79.00 - —
l.c.l., bgs., same basis, ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N. - S. Carolina, Ga., Ala., Miss., Fla..ton.81.00 - —
bbls., same basis..ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz..ton.87.00- —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
bbls., l.c.l., same basis, ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms....lb. .11 - .15
Fluoride, bbls....lb. 11½- .12
Fluosilicate, bbls....lb. .11½- .12
Hydrate (see Hydroxide).
Hydroxide, bbls....lb. .04¾- .05½
Iodide, bots....lb. 4.45 - 4.50
Monoxide (see Oxide).
Nitrate, cks....lb. .06¾- .07¼
Oxide, dms....lb. .09 - .11
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls....lb. .09½- .10
kgs....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.23.65 - —
l.c.l., ex whse., Boston, ton.36.00 - —
Chicago....ton.31.15 - —
Cleveland....ton.33.50 - —
New York....ton.32.00 - —
Barytes, dom., floated, paper bgs., c.l., St. Louis...ton.22.85 - —
l.c.l., ex car, Baltimore, ton.30.70 - —
Boston....ton.31.70 - —
Philadelphia....ton.30.50 - —
ex whse., Baltimore..ton.32.10 - —
Boston....ton.35.20 - —
Chicago....ton.30.35 - —
Cleveland....ton.33.00 - —
Detroit....ton.33.00 - —
Kansas City....ton.30.93 - —
Los Angeles....ton.42.00 - —
New York....ton.31.50 - —
Philadelphia....ton.31.90 - —
San Francisco....ton.42.00 - —
Toronto....ton.39.30 - —
southern off color, bulk, mines, ton.12.00 - —
96,75%, bulk, mines....ton.16.00 - —
ore, bulk, mines, long ton. 7.00 - —
German, grd., bbls., c.l., dock, t.a...ton.25.00 -26.00
l.c.l., ex whse....ton.30.00 - —
ungrd., bulk, c.l., ex dock, ton.13.60 -14.00
Italian, grd., bbls., c.l., ex dock, t.a..ton.29.50 Nom.
l.c.l., ex whse....ton.32,50 - —
Bauxite, bulk, mines....ton. 7.00 -10.00
Bay leaves (see Laurel leaves)
Bay rum, import, bbls....gal. .71½ Nom.
Bayberry bark, bgs....lb. .15 - .16
Belladonna leaves, bls....lb. .13 - .17
Root, bls....lb. .12 - .13
Bentonite, 200 mesh, bgs., Wyo. works..ton.11.00 - —
325 mesh, bgs., Wyo. works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .60 - .70
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs....lb. .90 - .95
Benzene (see benzol).
Benzidin base, bbls....lb. .70 - —
Benzol, 90%, nitration, pure, dms., works..gal. .21 - —
tankcars, frt. alld. E. of Omaha..gal. .16 - —
W. coast, f.o.b., Minnequa, Colo..gal. .16 - —
Benzoyl chloride, dms....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns....lb. .49 - —
dms....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cns..lb. .94 - —
dms....lb. .89 - —
Chloride, 95-97%, refd., dms., lb. .30 - .40
tech., dms....lb. .25 - .26
Formate, cns....lb. 2.75 - 3.50
Benzylidineacetone, bots....lb. 2.20 @ 2.50
Berberine bisulphate, cns....lb.16.75 - —
Hydrochloride, cns....lb.16.75 - —
Sulphate, cns....lb.16.75 - —
Berberis root, bls....lb. .15 - .16
Betanaphthol, subim., bbls....lb. .55 - —
kgs....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works....lb. .24 - —
Benzoate, fib, dms....lb. 2.10 - —
kgs....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls....lb. .20 - .23
Bismuth chloride, 5-lb. bots....lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars....lb. 2.65 - —
Hydroxide, 5-lb. bots....lb. 3.27 - —
cns....lb. 3.15 - —
Metal, ton lots....lb. 1.05 - —
Nitrate, cryst., 5-lb. bots...lb. 1.34 - —
cns....lb. 1.20 - —
Oxychloride, 5-lb. bots....lb. 3.04 - —
cns., kgs....lb. 2.95 - —
Subbenzoate, 5-lb. bots....lb. 3.36 - —
fib, dms....lb. 1.13 - 1.16
Subcarbonate, bots., cns....lb. 1.42 - 1.68
fib, dms....lb. 1.33 - 1.36
X-ray, 5-lb. bots....lb. 2.42 - —
fib, dms....lb. 2.36 - —
Subgallate, bots., cns....lb. 1.42 - 1.68
fib, dms....lb. 1.33 - 1.36
Subiodide, cns....lb. 3.91 - —
fib, dms....lb. 3.58 - —
Subnitrate, powd., bots., cns. lb. 1.27 - 1.53
fib, dms....lb. 1.18 - 1.21
Subsalicylate, 62-66%, bxs..lb. 2.44 - —
bbls., fib, dms....lb. 2.35 - —
Sulphocarbolate, 5-lb. bots....lb. 3.61 - —
fib, dms....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns....lb. 3.45 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 3.40 - —
cns....lb. 3.30 - —
Bismuth-betanaphthrol, 5-lb. bots., lb. 3.14 - —
fib, dms....lb. 3.06 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .16 - —
l.c.l., frt. alld. E.....lb. .16½- —
1, bbls., bgs., c.l., frt. alld. E..lb. .12 - —
l.c.l., frt. alld. E.....lb. .12½- —
2, bbls., bgs., c.l., frt. alld., E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
3, bbls., bgs., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
4, bbls., c.l., frt. alld. E...lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .07½- —
l.c.l., frt. alld. E.....lb. .08 - —
6, bbls., c.l., frt. alld. E....lb. .05½- —
l.c.l., frt. alld. E.....lb. .06 - —
7, bbls., bgs., c.l., frt. alld. E..lb. .09 - —
l.c.l., frt. alld. E.....lb. .09½- —
8, bbls., bgs., c.l., frt. alld. E..lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, special, 1, bgs., c.l., dlvd..lb. .03¾- .04¾
bgs., ctns., l.c.l., dlvd..lb. .06¾- —
cs., l.c.l., dlvd....lb. .07½- —
2, bgs., c.l., works....lb. .08½- —
l.c.l., dlvd....lb. .10½- —
cs., l.c.l., dlvd....lb. .12 - —
3, bgs., c.l., works....lb. .13 - —
l.c.l., dlvd....lb. .14½- —
cs., l.c.l., dlvd....lb. .16½- —
4 bgs., c.l., works....lb. .27½- —
cs., c.l., works....lb. .29 - —
l.c.l., dlvd....lb. .32 - —
5, bgs., cs., c.l., works...lb. .40 - —
cs., l.c.l., dlvd....lb. .44 - —
6, cs., l.c.l., dlvd....lb. .60 - —
7, cs., l.c.l., dlvd....lb. 1.10 - —
standard, bgs., c.l., dlvd., rail zone A (Gulf ports), for delivery in Nor. Amer. (water freights extra)..lb. .02¾- —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .0310- —
50,000 lbs., dlvd., Zone C (Pac. Cst. States)..lb. .0319- —
Black, carbon, stand., bgs., c.l., 50,000 lbs., dlvd., Zone C, Pac. Cst. States..lb. .0335- —
D (Ill., Ia., Wis.)..lb. .03¼- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W. Va.)...lb. .0341- —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .03¾- —
G (Mexico) f.o.b. border, lb. .03 - —
f.o.b. N. Orleans, lb. .029 - —
l.c.l., f.o.b. whse.....lb. .05¾- —
bgs. or ctns. (sellers option) l.c.l., dlvd..lb. .06¼- —
bulk, tanks, same price as bags in each zone.
cs., l.c.l., dlvd....lb. .07 - —
export, full, compressed, cs., f.a.s., Gulf ports..lb. .04¾ Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .05¼ Nom.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .08½
2, bbls., l.c.l., works....lb. .07 - —
pure, bbls., works....lb. .08¾- —
Ivory, genuine, bbls....lb. .30 - .35
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works....lb. .08 - —
2, ctns., c.l., works....lb. .09 - —
l.c.l., works....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works....lb. .12 - —
3, ctns., c.l., works....lb. .13 - —
l.c.l., works....lb. .14 - —
4, ctns., c.l., works....lb. .14 - —
l.c.l., works....lb. .15 - —
5, ctns., c.l., works....lb. .17 - —
l.c.l., works....lb. .18 - —
6, ctns., c.l., works....lb. .24 - —
l.c.l., works....lb. .25 - —
7, ctns., c.l., works....lb. .34 - —
l.c.l., works....lb. .35 - —
Import, 1, bbls., c.l., f.o.b. N. Y..lb. .08 - —
l.c.l., f.o.b., N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b., N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6, bbls., c.l., f.o.b. N.Y....lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
Vine, A, bbls., works or N. Y., lb. .04½- —
B, bbls., works or N. Y....lb. .05½- —
Black dyes are listed under dyes.
Black haw, root bark, bls....lb. .23 - .25
Tree bark, bls....lb. .14 - .15
Black Indian hemp root, bls...lb. .16 - .18
Blanc fixe, dry, by-product, bgs., c.l..ton.55.00 - —
l.c.l....ton.60.00 - —
high grade precip., bgs., c.l., works, frt. equal.ton.70.00 - —
l.c.l., same basis....ton.75.00 - —
pulp, 66%%, bulk, c.l., works, ton.40.00 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.75 - —
high-grade, grd., 16-17 ammon., bulk, f.o.b. Chi., unit-ton. 2.75 - —
import, bgs., c.i.f. ports, shipt., unit-ton. 3.10 - —
soluble (see Albumen, blood)
Bloodroot, bls....lb. .14 - .15
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order....lb. .37 - —
Celestial, bbls....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order....lb. .37 - —
Cobalt, genuine, 1-kilo pkg. lb. 4.90 - —
Imitation (see Blue, ultramarine, group 6).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
open order....lb. .37 - —
Potash, dom., bbls., same basis alkali toner, contracts..lb. .45 - —
open order....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .36 - —
open order....lb. .37 - —
Soluble, bbls., same basis alkali toner, contracts, lb. .36 - —
open order....lb. .37 - —
Tungstated, peacock, kegs...lb. 3.75 - —
Victoria, kgs....lb. 3.25 - —
Ultramarine, dry, jobbing, bbls., works, frt. equaled..lb. .11 - —
regular, 1, bbls., works, frt. equaled..lb. .16 - —
2, bbls., same basis....lb. .18 - —
3, bbls., same basis....lb. .19 - —
4, bbls., same basis....lb. .20 - —
5, bbls., same basis....lb. .23 - —
6, cobalt, A, bbls., same basis..lb. .27 - —
B, bbls., same basis.lb. .24 - —
C, bbls., same basis.lb. .23 - —
D, bbls., same basis.lb. .22 - —
7, A, bbls., same basis.lb. .23 - —
B, bbls., same basis..lb. .22 - —
special, 1, bbls., same basis, lb. .19 - —
2, bbls., same basis....lb. .20 - —
3, bbls., same basis....lb. .22 - —
4, bbls., same basis....lb. .23 - —
5, bbls., same basis....lb. .25 - —
6, bbls., same basis....lb. .27 - —
pulp, 1, bbls., same basis..lb. .27 - —
2, bbls, same basis.....lb. .25 - —
3, bbls., same basis.....lb. .23 - —
4, bbls., same basis.....lb. .20 - —
Ultramarine, blue, dlvd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 25-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blueflag root, bls....lb. .15 - .16
Blue mass, USP., cns., kgs..lb. 1.00 - 1.02
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 4.25 - —
16-50 bbls., same basis, 100 lbs. 4.40 - —
Blue vitriol, 99% cryst., bbls., 6-15 bbls., same basis, 100 lbs. 4.50 - —
1-5 bbls., same basis, 100 lbs. 4.75 - —
Monohydrated, dms., c.l., dealer, f.o.b. works, 100 lbs. 8.65 - 8.90
l.c.l. dealers....100 lbs. 9.65 - 9.90
Bluestone (see Blue vitriol).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.27.00 -29.00
c.i.f. Atlantic ports....ton.27.50 - —
import, bgs., c.i.f., ports.ton.27.50 - —
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chicago..ton.23.00 -24.00
import, 100-lb. bgs., c.i.f. ports, shipt..ton.23.00 - —
phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1½% ammon. 60% phos., bgs., f.o.b. Chicago..ton.19.00 -20.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.21.00 -21.50
Borage flowers, bls....lb. .20 - .21
Borax, tech., 99¼%, cryst., bbls., contracts, 80 tons min., dlvd..tons.58.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..tons.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min. dlvd..ton.53.00 - —
l.c.l., ex whse.....ton.64.00 -69.00
sks., contracts, 80 tons min., dlvd..ton.43.00 - —
l.c.l., ex whse...ton.54.00 -59.00
powd., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.69.00 -74.00
sks., contracts, 80 tons min. dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.59.00 -64.00
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 98 lbs., and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots....lb. 1.75 - 2.00
cns....lb. 1.50 - —
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots....lb. 1.40 - 1.60
Bromstyrol, bots....lb. 3.25 - 4.50
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .45 - .65
moulding, cns., dms., over 10 lbs..lb. .65 - .90
printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls....lb. .11 - .13
Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works..lb. .10 - —
Metallic, bbls., works....lb. .02¼- —
paper bags, c.l., works....lb. .0210- —
Sienna, burnt, American, bbls., works..lb. .03 - —
Italian, Group 1, bbls., f.o.b. N. Y. or Pa. points..lb. .12¼- —
Group 2, bbls., same basis, lb. .11¼- —
3, bbls., same basis...lb. .10¼- —
4, bbls., same basis...lb. .08¾- —
5, bbls., same basis...lb. .08¾- —
6, bbls., same basis...lb. .08¼- —
7, bbls., same basis...lb. .08 - —
8, bbls., same basis...lb. .07¾- —
9, bbls., same basis...lb. .07¼- —
10, bbls., same basis..lb. .06¾- —
11, bbls., same basis..lb. .06¾- —
12, bbls., same basis..lb. .06¼- —
13, bbls., same basis..lb. .06 - —
14, bbls., same basis..lb. .05½- —
raw, American, bbls., works, lb. .02¾- —
Italian, Group 1, bbls., f.o.b., N. Y. or works..lb. .12½- —
Group 2, bbls., same basis, lb. .10¾- —
3, bbls., same basis...lb. .11 - —
4, bbls., same basis...lb. .09½- —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08½- —
7, bbls., same basis...lb. .07¾- —
8, bbls., same basis...lb. .07¼- —
9, bbls., same basis...lb. .06¾- —
10, bbls., same basis..lb. .06 - —
11, bbls., same basis..lb. .05 - —
Umber, American, bbls., works, lb. .02¾- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Pa., Easton, Pa., N. Y..lb. .04 - —
St. Louis....lb. .04¾- —
ex car Los Angeles...lb. .04½- —
ex dock, Portland, San Francisco, Seattle..lb. .04¾- —
ex whse., Boston....lb. .04½- —
Chicago, Indianapolis, New Orleans....lb. .04¾- —
Kansas City....lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle, lb. .04¾- —
Minneapolis....lb. .0485- —
Pittsburgh....lb. .04¼- —
Vandyke, bbls., l.c.l....lb. .05¾- —
Walnut crystals, bbls....lb. .05½- .06
Brucine, 100 oz., cns....oz. .10 - —
Sulphate, 100 oz., cns....oz. .07 - —
Bryonia root, bls....lb. .10 - .11
Buchu leaves, bls....lb. .38 - .39
Buckthorn bark, true, bls....lb. .05 - .05½
Berries, bgs....lb. .17 - .18
Burdock root, bls....lb. .10 - .10½
Burgundy pitch, dom., bbls., c.l., works..lb. .05½- —
l.c.l., dlvd. E.....lb. .06¾- —
import, stands....lb. .15 - .16
Butanes, coml., 16-34°, tanks, group 3..gal. .03¾- —
Butternut bark, bls....lb. .07 - .08
Butyl acetate, norm., dms., c.l., contract, frt. alld..lb. .09½- —
l.c.l., contract, frt.alld..lb. .10 - —
tanks, contract, frt. alld..lb. .08½- —
secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .07½- —
l.c.l., same terms....lb. .08 - —
tanks, same terms....lb. .06½- —
Alcohol (see Alcohol)
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works....lb. .16½- .17½
tanks, works....lb. .14½- —
Carbinol (see Carbinol).
Crotonate, normal, 55 & 110 gal. dms., dlvd..lb. .33 - —
5 & 10 gal. dms., dlvd....lb. .36 - —
Ether (see under Ether).
Lactate, dms....lb. .22¼-
Butyl, propionate, dms., dlvd..lb. .16½- .17
tanks....lb. .15¾- —
Stearate, dms....lb. .28 - —
Butyric ether, bots....gal. 6.60 - 6.95
cns., works....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —

Cadmium Brom.—Chloral Hydr.

C

Cadmium bromide, jars, 100 lbs., works, frt. equal'd..lb. 1.66 - —
50 lbs., works.....lb. 1.66 - —
25 lbs., works.....lb. 1.71 - —
bots., 5 lbs., works.....lb. 1.85 - —
Iodide, 5-lb. bots.....lb. 4.21 - —
25-lb. cns.....lb. 3.97 - —
Lithopone (see Yellow)
Metal, cs. .....lb. 1.05 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. dms., 10,000 lbs. or more..lb. 2.20 - —
2,000 lbs., or more.....lb. 2.25 - —
1,000 lbs., or more.....lb. 2.30 - —
100 lbs.....lb. 2.35 - —
25-lb. dms., 10,000 lbs., or more..lb. 2.23 - —
2,000 lbs., or more.....lb. 2.28 - —
1,000 lbs., or more.....lb. 2.33 - —
100 lbs.....lb. 2.43 - —
25 lbs.....lb. 2.55 - —
10-lb. cns., 10,000 lbs. or more. lb. 2.25 - —
2,000 lbs., or more.....lb. 2.30 - —
1,000 lbs., or more.....lb. 2.35 - —
100 lbs.....lb. 2.45 - —
less than 100 lbs.....lb. 2.75 - —
5-lb. cns., 25 lbs., or more..lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated. cns.....lb. 1.80 - 2.10
Hydrobromine, bots.....lb. 4.91 - 4.99
Calabar beans, bgs.....lb. .25 - .26
Calamus root, bleached, cs....lb. .40 - .41
peeled, bls.....lb. .10 - .12
Calcium acetate, bgs.,dlvd.100 lbs. 1.65 - —
Arsenate, bgs., c.l., dealers, E. of Rockies..lb. .06¾- .07¼
W. of Rockies, bgs., dms.. lb. .06½- .06¾
Southern cotton states, bgs., lb. .06½- .07
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbide, dms.....lb. .05 Nom.
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-88%, bgs., dms., c.l., dlvd.ton.22.00 -35.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., dlvd..ton.20.00 -33.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.60 - 2.25
Gluconate, U.S.P., gran., powd., bbls., 125 lbs..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 3.85 - 3.90
Lactate, U.S.P.,bbls., 200 lbs.lb. .23 - —
Levulinate, bots., less than 25 lbs., works..lb. 3.00 - —
Nitrate, bgs., to fert. mfrs., ex vessels, Camden, N. J., or f.o.b. cars, So. Atlantic ports ton.28.00 - —
Palmitate, bbls.....lb. .22 .23
Phosphate, dibasic, precip., 38-42% P_2O_5, bgs., c.l.f. Atlantic ports, shipt. unit-ton. .80 - —
tribasic, c.l., bbls., works..lb. .06½- —
l.c.l., bbls.....lb. .07½- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., 1 ton.....lb. .20 - —
Sulphate (see Gypsum).
Sulphide, 75%, CaS, works, bulk, c.l., 25-mesh..ton.42.50 - —
bags, bulk, c.l., works.ton.45.00 - —
l.c.l., works .....ton.47.50 -50.00
75%, CaS, works, bulk, c.l., 50-mesh..ton.43.50 - —
bags, bulk, c.l., works..ton.46.00 - —
l.c.l., works .....ton.48.50 -51.00
80%, CaS, works, bulk, c.l., 25-mesh..ton.47.50 - —
bags, bulk, c.l., works...ton.50.00 - —
l.c.l., works .....ton.52.50 -55.00
80%, CaS, works, bulk, c.l., 50-mesh..ton.48.50 - —
bags, bulk, c.l., works...ton.51.00 - —
l.c.l., works .....ton.53.50 -56.00
luminous, dom., tins, works, 100 lbs. .85 - —
Sulphocarbolate,bbls.,200 lbs.lb. .48 - —
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .35 - .36
Calomel, bbls., fib., dms., kgs., 50 lbs., or more..lb. 1.28 - —
Camphor, natural, powd., cs...lb. .52½- .53
slabs, cs. .....lb. .52½- .53
tablets, tins .....lb. .57 - .57½
synthetic, dom., imp., gran., powd., bbls., 2,000-lb. lots lb. .47 - —
1,000-lb. lots .....lb. .48 - —
500-lb. lots .....lb. .49 - —
100-lb. lots .....lb. .50 - —
Monobromate, bxs., kgs.....lb. 1.75 - 1.80
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs..lb. .0440- .0465
Morocco, bgs. .....lb. .0430- .0460
Turkish, bgs. .....lb. .0430- .0460
Canella alba bark, bls.....lb. .30 - .31
Cantharides, Chinese, cs.....lb. .60 - .70
powd., bxs.....lb. .70 - .80
Russian, cs. .....lb. .90 - .95
powd., bxs. .....lb. 1.15 - 1.20
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs....lb. .06⅝- .07
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
secondary, dms., works...lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .33 - —
l.c.l., works.....lb. .34 - —
tanks, works.....lb. .32 - —
Methylpropyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works.lb. .60 - —
small lots, works.....lb. .75 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
tanks, same basis.....lb. .04½- —
Dioxide, cyls.....lb. .06 - .08
Carbon tetrachloride, 55-gal. or 110-gal. dms., c.l. (20 tons), frt. alld. E. of Miss. R., N. of Ohio R..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
10-gal. dms., c.l. (20 tons), same basis..lb. .07 - .07½
l.c.l., same basis.....lb .08 - .08½
5-gal. dms., c.l. (20 tons), same basis..lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
tanks, same basis.....lb. .05 - —
Fire extinguisher liquid, 1½c. lb. higher.
Cardamom, bleached, cs.....lb. 1.30 - 1.65
decorticated, cs. .....lb. .78 - .80
green, bgs. .....lb. .50 - .52
Carvol, bots. .....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .11 - .12
Case-hardening mixture, 30% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .10 - .10½
5 tons, works.....lb. .11½- —
smaller lots, works.....lb. .12½- —
80-100 mesh, bgs., c.l., dlvd., lb. .10½- .11
5 tons, works.....lb. .12 - —
smaller lots, works.....lb. .13 - —
Import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .12 - —
80-100 mesh, bgs., c.l. duty paid..lb. .12½- —
French, 30 mesh, bgs., c.l., duty pd..lb. .17 Nom.
Cassia, Batavia, 1, bgs.....lb. .16 - .16½
3, bls. .....lb. .10 - .10½
shortstick, bls.....lb. .12¾- .13
China, rolls, select, cs.....lb. .07 - .07¼
broken, extra, bls.....lb. .04½- .04⅞
Saigon, bls.....lb. .15 - .15½
Cassia buds, cs.....lb. .15¼- .15¾
Cassia fistula, bskts.....lb. .07 - .09
Castile soap, white, bars., cs., 40 lbs.11.75 -12.50
powd., bbls. .....lb. .28 - .35
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots. .....lb.19.00 - —
Castor oil (see Oil, castor).
Pomace, dom., 5% ammon., bgs., c.l., works..ton.18.50 - —
import, bgs., c.i.f., ports, shipment..ton.21.00 - —
Catnep leaves, bls. .....lb. .17 - .18
Celery seed, French, bgs.....lb. .13½- .14
Indian, bgs. .....lb. .11¾- .12
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, gran., cs., frt. alld..lb. .40 - —
Acetobutyrate, 501 lbs. and over, works..lb. .52 - —
101 lbs., works.....lb. .53 - —
smaller lots, works.....lb. .55 - —
Acetopropionate, 500 lbs. and over, works..lb. .57 - —
100-499 lbs., works.....lb. .58 - —
1-99 lbs., works.....lb. .60 - —
Triacetate, 50,000 to 99,999 lbs. lb. .50 - —
20,000 to 49,999 lbs.....lb. .55 - —
10,000 to 19,999 lbs.....lb. .60 - —
2,000 to 9,999 lbs.....lb. .65 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works .....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b., works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs...lb. .19 - .20
Roman, bls. .....lb. .27 - .28
Charcoal, softwood, powd., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.30.40 - —
Colo. .....ton.27.00 - —
Conn., Me., Mass., N. H., R. I., Vt....ton.30.80 - —
Charcoal, softwood, powd., bgs., c.l., dlvd. Ill. (except river point), Minn., Neb., Wis..ton.25.00 - —
Indiana .....ton.26.00 - —
Ill. (river points), Ia., Mo., Okla., Tex. (except El Paso)..ton.23.00 - —
Kansas, El Paso, Tex., ton.24.00 - —
Michigan .....ton.27.80 - —
Ohio, Penn. .....ton.29.80 - —
Utah .....ton.34.00 - —
Willow, powd., bbls. .....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l. wks..lb. .02 - —
l.c.l., bbls., wks.....lb. .02¼- —
tanks, wks.....lb. .01⅝- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works....ton. 7.00 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works, ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
import, white, lump, bulk, c.l., ex dock Balto, Boston, Norfolk, Phila..ton.22.00 -26.00
powd., csks., l.c.l., ex dock, ton.35.00 - —
ex whse. .....ton.37.50 - —
Chloral hydrate, bots., 1,000 lbs. lb. .83 - .92
500 lbs.....lb. .86 - .96
100 lbs.....lb. .88 - .97
25 lbs.....lb. .90 - .99
1-10 lbs.....lb. .95 - 1.02



THERE are few fences around the field of chemical-using indust these days. The astute manufacturer searches in all directions for n materials, new processes, new products, new economies, that will increase his profits. A the best tool for exploring and tapping these "profit sources" is chemical research.

We have a competent research staff here at Cyanamid. It exists for the purpos anticipating questions our customers will ask, and of producing answers that will trans

Chloral hydrate, dms., 1,000 lbs.lb. .80 - —
500 lbs.....lb. .83 - —
100 lbs.....lb. .85 - —
Chlorine, liq., cyls., c.l., dlvd., N. Y...lb. .05½- —
contracts, dlvd., N.Y.....lb. .05½- —
l.c.l., dlvd., N.Y.....lb. .07½- —
tanks, single unit, works, frt. equaled..100 lbs. 2.15 - —
tanks, multiple unit, 3 or over, wks., frt. equald..100 lbs. 2.30 - —
2, works, frt. equaled.100 lbs. 2.55 - —
1, works, frt. equald..... 100 lbs. 3.00 - —
Chloroacetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, coml, 100-lb. cyls., works..lb. .85 - —
5-lb. cyls., same basis..lb. 1.15 - —
Chrome acetate, powd., 17.5% cr., bbls., works..lb. .13 - —
smaller pkgs., works....lb. .17 - —
solut., 8% cr. bbls.....lb. .05 - .08
Cake, bulk, c.l., works.....ton.15.00 -16.00
Green (see Green, chrome).
Oxide (see Green, chrome oxide).
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scales, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, cns.....lb. 3.25 - 3.30
Cinchona bark, chips, bgs.....lb. .18 - .19
high test, bgs.....lb. .37 - .38
quills, broken, bgs.....lb. .18 - .19
long, cs. .....lb. .45 - .50
short, bgs. .....lb. .40 - .45
Ecuador, tubes.....lb. .18 - .20
Cinchonidine crys., small cns., 100 ozs..oz. .83 - —
large, cns .....100 ozs. .87 - —
powd., cns. ....100 ozs..oz. .80 - —
Sulphate, N F cns.100 ozs..oz. .47 - —
Cinchonine, crys., small, cns., 100 ozs..oz. .54 - —
large, cns ....100 ozs..oz. .58 - —
powd., cns ....100 ozs..oz. .50 - —
Sulphate, N F cns.100 ozs..oz. .34 - —
Cinchophen, in boxes, 5 lbs., lb. 3.75 - —
bots., 1 lb. .....lb. 3.27 - —
dms., 100 lbs.....lb. 3.00 - —
Cinnamic alcohol (see Alcohol cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2, bls.....lb. .15½- .16
3, bls. .....lb. .15¼- .15¾
Citral, bots. bs. .....lb. 1.40 - 3.40
Citrine, ointment jars, tubes..lb. .75 - —
Citronellal, bots. dms.....lb. .75 - .80
Citronellol, bots. dms.....lb. 1.75 - 1.80
Clove, Madagascar, bls.....lb. .15 - .15¾
Zanzibar, bls. .....lb. .16½ Nom.
Clover tops, bgs.....lb. .13 - .14
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works.....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l. works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd. lb. .65 - .67
Carbonate, tech., bbls., dlvd.lb. 1.63 - —
Chloride, dms., works.....lb. 1.03 - 1.18
Hydrate, bbls.....lb. 1.78 - —
Linoleate, paste, 6%, dms....lb. .31 - —
solid, 9½% bbls.....lb. .33 - —
Cobalt oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.67 - —
Resinate, fused, A, bbls.....lb. .13½- —
1%, bbls.....lb. .13 - —
2%, bbls.....lb. .14 - —
3½%, bbls.....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .59 - —
Cocaine hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .35 - .38
Teneriffe, silver, bgs.....lb. .36 - .39
Cocillana bark, bgs.....lb. .15 - .16
Cocoa butter, lump, bgs., c.l..lb. .12¼ - .12⅝
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz. 10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .08 - .09
Blue, root, bls.....lb. .07 - .07½
Colchicine, bots., 4 ozs.....oz.20.00 - —
single ozs. .....oz.21.00 - —
Colchicum seed, bgs.....lb. .25 - .27
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
Flexible, USP, dms., 325 lbs.lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .25 - .29
Colombo root, bls.....lb. .10 - .11
Coltsfoot leaves, bgs.....lb. .08 - .09
Condurango bark, bgs.....lb. .08 - .09
Conium leaves, bls.....lb. .17 - .18
Copaiba balsam, Para, cns....lb. .24 - .25
S.A., USP, cns.....lb. .26 - .27
Copper acetate, normal, bbls., dlvd..lb. .21 - —
smaller containers, dlvd..lb. .23 - —
Carbonate, 52-54%, bbls.....lb. .14 - .15
20%, bbls.....lb. .10½- .11½
Chloride, cryst., bbls.....lb. .12½- .13½
Cyanide, tech., bbls.....lb. .34 - —
Iodide, bots.....lb. 4.97 - 5.02

Chloral Hydr.—Diatom. Earth

Copper, metal, electrolytic.....lb. .10½- —
Nitrate, cryst., bbls.....lb. .1620- .17
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works, lb. .14¾- .15¼
smaller lots, works.....lb. .15¾- —
red, com'l, 50-75%, kgs., f.o.b. N. Y...lb. .15¼- .16¼
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .23 - .24
Sulphate (see Blue vitriol).
Copperas, cryst., gran., bgs., c.l., works..ton.16.00 - —
bbls., c.l., works.....ton.18.00 - —
l.c.l., 25 or over, works.... 100 lbs. 1.35 - —
5-24, works.....100 lbs. 1.50 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.13.00 - —
Copra, Coast, shipt.....lb. .0185 Nom.
Coriander seed, Morocco, bgs..lb. .04¾- .05
bleached, bgs. .....lb. .07¾- .08
Corn sugar, tanners, bbls., c.l., dlvd..100 lbs. 3.00 - —
ex whse. .....100 lbs. 3.10 - —
Syrup, 42°, bbls., c.l.....100 lbs. 2.94 - —
43°, bbls., c.l.....100 lbs. 2.99 - —
Cornsilk, bls.....lb. .06 - .07
Corrosive sublimate, cryst., dms., 50 lbs., or more..lb. 1.13 - —
gran., powd., dms., 50 lbs. or more..lb. .99 - —
Cottonroot bark, bls.....lb. .11 - .12
Cottonseed hull ash, 30-32% potash, bgs., dlvd..unit-ton. 1.10 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp bark, genuine, bls.....lb. .22 - .23
so-called, bls.....lb. .07 - .08
Cranesbill root, bls.....lb. .14 - .15
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .22¾- —
smaller lots, bbls.....lb. .23¼- —
kgs. .....lb. .23¾- —
Creosote, beechwood, bots.....lb. .70 - .75
Hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Oil, crude, tanks, works....gal. .13½- .14½
Coaltar solution, tanks, works. gal. .122 - .132
refd., bbls., l.c.l., works, gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works.lb. .10½- —
l.c.l., same basis.....lb. .11 - —
special resin grade, dms., c.l., works..lb. .09¼- —
l.c.l., same basis.....lb. .09¾- —
Crotonaldehyde, 97%, 55 and 110 gal. dms., dlvd..lb. .22 - —
5 and 10 gal. dms., dlvd..lb. .25 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .25 - .26
2,000 lbs. to 10,000 lbs..lb. .26 - .27
1,000 lbs. to 2,000 lbs..lb. .27 - .28
200 lbs. to 1,000 lbs.....lb. .29 - .30
4% rotenone prices are 4c. per lb. less

Cube root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.

Cubeb berries, XX, bgs.....lb. .27 - .28
powd., cs. .....lb. .30 - .31
Culver's root, bls.....lb. .17 - .18
Cumin seed, Algerian, bgs....lb. .09¾- .10
Morocco, bgs. .....lb. No stocks.
Cutch, Philippine, extract, solid bags..lb. .04¼- .04½
Cyanamid, 21-22% N., pulv., bgs., dlvd., contrs., NH_3 unit..lb. 1.15 - —
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
75%, gran., dms.....lb. .15 - —

D

Damiana leaves, bls.....lb. .15 - .16
Dandelion root, German, bls..lb. .14 - .15
Deertongue leaves, bls.....lb. .09 - .09½
Degras, common, dom., bbls...lb. .07¾- .08¼
English, bbls.....lb. .07¾- .08¼
neutral, dom., bbls.....lb. .11 - .15
English, bbls.....lb. .11 - .15
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd., with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .34 - .38
2,000 lbs., to 10,000 lbs..lb. .35 - .39
1,000 lbs. to 2,000 lbs. lb. .36 - .40
200 lbs. to 1,000 lbs..lb. .38 - .42
4% rotenone prices are 6c. per lb. less

Derris root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.

Derris, resinate, 75% rotenone, cns..lb.10.00 -11.00
30% rotenone, cns.....lb. 5.50 - 6.50
25% rotenone, bulk, cns....lb. 3.60 - 6.00
15% rotenone, bulk, cns..lb. 2.10 - 4.25
Devil's club, root bark.....lb. 1.50 - —
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 3.60 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.80 - —
corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.35 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.55 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.30 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.50 - —
Potato, import, bgs.....lb. .07¼- .08
Diacetone (see under Alcohol).
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., dlvd...lb. .20½- —
l.c.l., dlvd.....lb. .21 - —
tanks, dlvd.....lb. .19½- —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -85.00
l.c.l., ex whse.....ton.46.00 -150.00
import, bgs., c.l., c.i.f.....ton.30.00 - —

into dollars and cents on their ledgers. Put our facilities to work, discovering new or better ways in which chemicals can work for you.

Some Cyanamid products which are daily contributing to the profits of our customers are listed here:

‡**AKOIL 1-4-3**—for the textile industry—An intensive scouring agent for use on woolen yarn or fabric, silk and rayon. Used in conjunction with soda ash for fulling and scouring woolens, it easily surpasses the performance of ordinary soaps for this purpose.

For scouring and degumming silk it is used with about one-fourth its weight of soda ash or the milder alkali, ammonia. While its degumming and cleansing qualities are excellent, leaving the fibre free of gum, oil and dirt, still its action cannot damage or affect the silk in any way.

For scouring knitted rayon and celanese, a product is necessary that will cleanse the fabric quickly and with a minimum amount of mechanical action. Because of its property of emulsifying the heavy oils found in these fabrics, Akoil 1-4-3 is an excellent product for the purpose. It rapidly absorbs and carries off all the oil and dirt found in the fibre with a minimum of mechanical effort, thereby preventing damage to the fibre. No matter how highly saturated with oil the fabric may be, Akoil 1-4-3 will thoroughly cleanse it in an ordinary soaping machine.

ALKALIES—SODA ASH, CAUSTIC SODA, CAUSTIC POTASH, CARBONATE OF POTASH, CALCIUM CHLORIDE—all grades for the glass, soap, textile, paper and the many other industries using alkalies.

ETHYL LACTATE is in many respects the ideal solvent for nitrocellulose, cellulose acetate and resins. For many years it has been among the most widely used lacquer solvents in the "high boiler" or slow evaporating group. It finds extensive application in clear and pigmented lacquers, mist coats, and lacquer thinners to promote flow, prevent orange peel, insure high gloss and prevent blushing in humid weather. As one of the few slow evaporating solvents for cellulose acetate, its use with this material in coatings and plastics is growing rapidly. It is also suitable for use with cellulose acetobutyrate, ethyl cellulose, shellac and REZYL resins. Its lack of toxicity has been demonstrated by use in flavoring extracts.

†**DECERESOL WETTING AGENTS**—For the Textile Industry—new, powerful surface tension depressants. These products have remarkable wetting and penetrating properties and are invaluable aids in all types of textile processing. They speed up scouring and dyeing processes, and are useful as well in carbonizing, fulling and finishing. They form soluble salts with calcium and magnesium and are, therefore, extremely valuable where hard water conditions are encountered.

*__TEGLAC RESINS__—for quality, economy and uniformity. A variety of grades are available to meet specific requirements.

In Lacquers

FOR SPEED: TEGLAC Z-152 is suggested for lacquer sealers requiring quick, easy sanding. Also for hard drying furniture lacquers, both clear and pigmented, as well as for cooking into short oil varnishes. It combines pale color, high gloss, excellent hardness, low solvent retention and ready solubility.

FOR TOUGHNESS: TEGLAC 15 provides a combination of toughness, hardness, gloss and solubility unmatched by other resins of this type. It is a time-tested standard of quality for high-grade furniture lacquers.

FOR ECONOMY: TEGLAC Z-154 permits the formulation at low cost of premium quality sanding sealers and clear and pigmented lacquers for indoor use.

In Varnishes

FOR COLOR: TEGLAC 161 is suggested for cooking with drying oils to make extra pale varnishes which are resistant to discoloration on baking or aging. Such varnishes may be used clear or as the vehicles for enamels in white or pastel tints.

Watch this column monthly for the announcement of other interesting Cyanamid developments. Technical information on these and other Cyanamid products is available on request.

‡Trade-Mark—Registered U. S. Patent Office.
†Registered U. S. Patent Office.
*Registered trade-mark of the Rezyl Corporation. These resins are manufactured under one or more U. S. Patents.

American Cyanamid & Chemical Corporation

30 ROCKEFELLER PLAZA • NEW YORK, N. Y.

Dibutylamine—Grease

Dibutylamine, dms., l.c.l., works, lb. .55 - —
Dibutyl phthalate, dms., c.l., dlvd..lb. .20½- —
l.c.l., dlvd. .....lb. .21 - —
tanks, dlvd. .....lb. .19½- —
Tartrate, dom., dms.....lb. .45 - .54
Dicalcium phosphate (see Calcium phosphate, dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works .....lb. .16 - —
tanks, works .....lb. .14 - —
Diethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., works .....lb. .25 - —
tanks, works .....lb. .23 - —
Diethyl carbonate, coml., dms.lb. .25 - —
refd., 99%, dms. .....lb. .35 - —
Carbinol (see Carbinol).
Phthalate, dms., c.l., frt. alld. lb. .19 - —
l.c.l. .....lb. .19½- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works .....lb. .14 - —
tanks .....lb. .12 - —
Diethylanilin, dms. .....lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .16 - —
l.c.l., works .....lb. .17 - —
Monobutylether, dms., works.lb. .23 - .24
Diethylene glycol monoethylether, dms., c.l., works..lb. .15 - —
l.c.l., works .....lb. .16 - —
tanks, works .....lb. .14 - —
Digitalis, leaves, dms.....lb. .42 - .45
Diglycol laurate .....lb. .22 - —
Diglycol oleate, light, bbls.....lb. .20 - —
Diglycol stearate .....lb. .24 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs.....lb. .09 - .09½
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½- —
l.c.l., dlvd. .....lb. .19 - —
Dimethylamine, dms., c.l., dlvd. lb. 1.00 - —
l.c.l., dlvd. .....lb. 1.05 - —
tanks, dlvd. .....lb. .17½- —
Dimethylanilin, dms., c.l.....lb. .26 - —
l.c.l., dms. .....lb. .27 - —
Dimethylethyl carbinol (see Carbonol).
Dinitrobenzene, bbls, 89° min., lb. .18 - —
Dinitrochlorobenzene, bbls.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls. .....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½- —
oily, dms.....lb. .09 - —
Diorthotoluolguanidins, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .20 - .25
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls.....lb. .81 Nom.
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Disodium phosphate (see Soda phosphate, dibasic).
Divi-divi extract, bbls.....lb. .05¾- .06¾
Doggrass root, cut, bls.....lb. .11 - .12
Dogwood bark, dom., bls.....lb. .07 - .08
Jamaica, bls. .....lb. .06 - .07
Dover's powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, thin, cs.....lb. .80 - .85
Duboisine sulphate, vis.....oz.34.50 -35.00
Dyes, coaltar, for coloring foods (certified colors) (numbers are those of Colour Index scale):—
Blue:—
Brilliant blue FCF, cans..lb.13.50- —
1180 Sodium indigo disulphonate, cns..lb.13.50- —
Green:—
Fastgreen FCF, cns.....lb.27.50- —
666 Guinea green B., cns. lb.13.50- —
670 Light green SF, yellowish, cns..lb.17.50- —
Red:—
184 Amaranth, cns.....lb. 3.15- —
773 Erythrosin, cns.....lb.17.50- —
80 Ponceau 3R, cns.....lb. 6.00- —
Ponceau SX, cns.....lb. 5.75- —
Orange:—
150 Orange I, cns.....lb. 2.90- —
Yellow:—
10 Naphthol yellow S, cns..lb. 8.50- —
Sunset yellow FCF, cns.lb. 3.15- —
640 Tartrazin, cns.....lb. 3.15- —
22 Yellow AB, cns.....lb. 2.65- —
61 Yellow OB, cns.....lb. 2.65- —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G.....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. 1.00 - —
176 Fast red A.....lb. .60 - .75
178 Fast red VR.....lb. 1.50 - 1.65
180 Lake red R, paste.....lb. .85 - .90
189 Lake red R, powdered.lb. 3.00 - 3.10
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B...lb. .80 - .85
326 Direct cast scarlet.....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - 70
394 Direct violet N.....lb. 1.25 - 1.30
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN..lb. .50 - .75
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B.....lb. .40 - .42½
495 Benzo purpurin 10B....lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B....lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF..lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO.....lb. .35 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin(water soluble).lb. .35 - .50
Dyes, coaltar, for stains (numbers are those of Colour Index scale):—
1177 Indigo, 20 p. c. paste..lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur tan.....lb. .30 - .50
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives..lb. .42 - —
Blue:—
1075 Alizarin astrol base.lb.13.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
729 Victoria blue.....lb. .75 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green.....lb. .75 - —
Orange:—
24 Sudan I.....lb. .70 - —
.... Orange, red shade..lb. .75 - —
Red:—
76 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 Anthroquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenezene yellow..lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or ware house).
Black:—
864 Nigrosin.....lb. .40 - —
Blue:—
729 Victoria blue.....lb. 2.55 - —
860 Indulin.....lb. .70 - —
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow..lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
690 Methyl violet .....lb. .70 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .50 - —
865 Nigrosin .....lb. .36 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y...lb. .65 - —
235 Resorcin dark brown R lb. .66 - —
231 Bismarck brown G..lb. .52 - —
332 Bismarck brown R..lb. .37 - —
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B...lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
Water-soluble:—
Red:—
31 Amidonaphthol red G. lb. .42 - —
37 Amidonaphthol red 6B. lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .52 - —
183 Crocein scarlet 3BX.lb. .60 - —
185 Cochineal red A....lb. .60 - —
Water-soluble:—
Red:—
252 Brilliant crocein M..lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
748 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Water-soluble:—
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN....lb. .88 - —
Yellow:—
10 Naphthol yellow S..lb. .88 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow...lb. 1.25 - —
639 Xylene light yellow.lb. 1.15 - —
640 Tartarzin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls .....lb. .20 - .21
Egg albumen (see Albumen).
yolk, bbls.....lb. .64 - .66
Elder flowers, bright, bls.....lb. .21 - .23
Elecampane root, ols.....lb. .10 .11
Elm bark, grinding, bls.....lb. .10 .11
powd., bbls., bxs. .....lb. 20 21
select bndls. .....lb. .25 - 26
Emetine hydrochloride, bots..oz.13.50 -14.00
Ephedra, bls.....lb. .28 - .29
Ephedrine, tins, 1,000 ozs....oz. 2.50 - —
tins, 100 ozs. .....oz. 2.65 - —
Hydrochloride, tins, 1,000 ozs oz. 1.75 - —
tins, 100 ozs. .....lb. 1.90 - —
Sulphate, cryst., 1,000 ozs...oz. 1.75 - —
tins, 100 ozs. .....lb. 1.90 - —
Epsom salt, tech., bgs....100 lbs. 1.85 -
bbls. .....100 lbs. 1.90 -
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 -
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.25 -
smaller lots.....lb. 2.50 -
Epsom salt, U.S.P., cryst., dom., bbls., c.l.....lb. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.35 - —
smaller lots.....lb. 2.60 - —
kgs., c.l.....lb. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.60 - —
smaller lots.....lb. 2.85 - —
dried, dom., bgs., l.c.l...lb. .08 - .10
Ergot, USP, cs., dms.....lb. 1.65 - 1.70
Eserine, bots.....oz.42.00 - —
Salicylate, bots.....oz.33.00 -34.00
Sulphate, bots.....oz.30.00 - —
Ether, acetic (see Ethyl acetate)
Butyl, dms., l.c.l., dlvd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .08 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works..lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia. dms., 27 lbs., lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, 85 p.c., dms., c.l., frt. alld..lb. .06½- —
l.c.l., frt. alld.....lb. .07 - —
tanks, frt. alld.....lb. .05½- —
99 p.c., dms., c.l., frt. alld., lb. .07¼- —
l.c.l., frt. alld.....lb. .07¾- —
tanks, frt. alld.....lb. .06¼- —
N. F., VI, 99%, dms., 400 lbs. lb. .08¼- —
cns., 35 lbs.....lb. .13½- —
USP, VIII, 90%, dms., 400 lbs..lb. .07½- —
cns., 35 lbs.....lb. .12½- —
Acetoacetate, dms., c.l., works, lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms. .....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55 and 110 gal. dms., dlvd..lb. .33 - —
5 and 10 gal. dms., dlvd...lb. .36 - —
Formate, cns., dms.....lb. .23 - .24
Iodide, bots.....lb. 5.01 - —
Lactate, 55-gal. dms., works..lb. .33½- —
5-gal. dms., works.....lb. .37½- —
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Ethylcellulose, bgs., 500 lbs. or more, frt. alld..lb. .6440- —
100 lbs., frt. alld.....lb. .6930- —
smaller lots, works.....lb. .7425- —
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0545- .06½
West of Rockies, same basis..lb. .0595- .06
l.c.l., works, E. of Rockies, frt. alld..lb. .0644- .06½
West of Rockies, same basis..lb. .0694- .07
Ethyleneglycol, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .17 - .20
tanks .....lb. .15 - —
Monobutylether, dms., c.l., works..lb. .18 - —
l.c.l., works.....lb. .19 - .22
tanks, works.....lb. .17 - —
Monoethylether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Monoethylether, acetate, dms., c.l., works..lb. .13 - —
l.c.l., dms.....lb. .14 - —
tanks, works.....lb. .12 - —
Monoethylether, dms., c.l., works..lb. .17 - —
l.c.l., works.....lb. .18 - —
tanks, works.....lb. .16 - —
Ethylidinaniliin, dms.....lb. .45 - .47½
Ethylmethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .06½- —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .05½- —
Ethylorthoparatoluenesulphonamide, bbls..lb. .60 - —
Eucalyptol, cns., dms.....lb. .55 - .57
Eucalyptus leaves, bls.....lb. .08 - .09
bbls..lb. .55 - —
Ethylparatoluenesulphonamide,
Eugenol, bgs., cns.....lb. 1.90 - 2.15
Euphorbia, bls.....lb. .05 - .06

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
glass, 20 mesh, bulk, works.ton. 9.75 -13.25
pottery, bulk, Me. works...ton.17.00 -19.00
N.C. works.....ton.17.00 -19.00
Fennel seed, French type, bgs., lb. .07¼- .08
Indian, bags.....lb. .07½- .07¾
German, large, bgs.....lb. .18 - .19
small, bgs.....lb. .13 - .14
Fenugreek seed, bgs.....lb. .03¾- .04¼
Ferric sulphate, dms., works.ton.35.00 -40.00
Film scrap, colors, dark, cs., 1,000 lbs., or over, works..lb. .12½- —
smaller lots, works...lb. .13 - —
light, cs., 1,000 lbs. or over, works..lb. .13½- —
smaller lots, works.....lb. .14 - —
water white, cs., 1,000 lbs., or over, works..lb. .14½- —
smaller lots, works...lb. .15 - —
Fir balsam, Canada, cns.....gal.12.75 -13.00
Oregon, bbls.....gal. 1.35 - 1.40
Fish berries, bgs.....lb. .08 - .09
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 3.25 & .10
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto..ton.48.00 - —
wet, acidulated, 6-7% ammon., 3-4% phosphor. acid, bulk, E. cst. factories, contracts..unit-ton. 2.75 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, shipt..ton.44.00 - —
Flake, white, bbls., kgs.....lb. .10¼- —
Fleaseed, French, black, bgs..lb. .13 - .14
Indian, blonde, bgs.....lb. .08 - .08½
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, ton.31.50 - —
Washed gravel, 85-5, f.o.b. Ill.-Ky. mines..ton.19.00 -20.00
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..ton.20.00 -21.00
Imported, 85% not over 5% duty paid..ton.23.50 -24.00
Formaldehyde, bbls., c.l., works, lb. .05¾- —
l.c.l., works.....lb. .06¼- —
dms., c.l., works.....lb. .05¼- —
l.c.l., works.....lb. .05¾- —
tanks, works.....lb. .04¼- —
Fringetree bark, bls.....lb. .12 - .13
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines..ton.10.00 - —
Import, bgs., c.l., ex dock..ton.23.00 - —
l.c.l., ex whse.....ton.30.00 - —
Furfural, refd., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., dlvd., lb. .12½- .14
Fustic extract, cryst., bbls....lb. .22 - .26
liquid, bbls.....lb. .09½- .13
solid, dms.....lb. .17½- .19¼

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .09 - .10
Gall extract, bbls.....lb. .19 - .20
Gambier, common, cases.....lb. .06¾- .07
plantation, cases.....lb. .08¼- .09
Cubes, Singapore, cases....lb. .08½- .09
Extract, bbls.....lb. .06½- .09½
Gasoline at refinery:—
Bayonne, US motor, below 65 octane, tanks..gal. .07¼- —
65 octane and above, tanks, gal. .07½- —
California, 54-58, tanks...gal. .06¾- .08¼
Gulf Coast, U. S. Motor, bulk, gal. .04¾- .04⅞
60-62, 390 e.p., bulk, export, gal. .04¾- .04⅞
60-62, 400 e.p., bulk, export, gal. .04¾- .04⅞
64-66, 375 e.p., bulk, export, gal. .04⅞- —
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .04¼- .04½
63-66 octane, tanks....gal. .04½- .04⅝
67-69 octane, tanks....gal. .04⅝- .05
70-72 octane, tanks....gal. .05½- .05⅝
Oklahoma-Texas, US motor, 62 octane and below, tanks..gal. .04¼- .04¼
third grade, tanks..gal. .04¼- .04¼
63-68 octane, tanks....gal. .04 - —
67-69 octane, tanks....gal. .04⅝- —
70-72 octane, tanks....gal. .04⅞- .05⅛
natural, 12-lb. v. p., tanks, gal. .03¼- .03½
14-lb. v.p., tanks.....gal. .03⅝- —
18-lb. v.p., tanks.....gal. .02⅝- .02¾
22-lb. v.p., tanks.....gal. .02¾- —
26-7# lb., v.p., tanks..gal. .03 - —
Pennsylvania, US motor, below 60 octane tanks... gal. .05 - —
65 octane, tanks.....gal. .06½- —
52-56 450 e.p., naphtha, tanks..gal. .04⅜- .06
Gelatin, silver, cs.....lb. .45 - .50
Geisemium root, bls.....lb. .11 - .12
Gentian root, bls.....lb. .08½- .09
grd., bbls., bxs.....lb. .12 - .13
powd., bbls., bxs.....lb. .13 - .14
Geraniol, cns., dms.....lb. .67 - 3.00
Geranyl acetate, bots., dms...lb. 1.20 - 2.50
Ginger root, African, bgs.....lb. .07¼- .07⅝
Cochin, lemon, bgs.....lb. .10½- .11
Jamaica, bold, bgs.....lb. .15 - .15½
grinding, bright, bgs...lb. .11 - .11½
medium, bold, bgs.....lb. .11⅝- .12
Japanese, bgs.....lb. .09 - .09½
Ginseng fibers, cs. .....lb. 1.75 - 3.00
Root, cultivated, cs.....lb.10.00 -11.00
wild, Southern, cs.....lb. 6.00 - 7.00
Glauber's salt, anhyd. (see Soda sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.15
5 tons or over, works.. 100 lbs. 1.05 - 1.25
less than 5 tons, works.. 100 lbs. 1.15 - 1.35
import., bgs.....100 lbs. 1.05 - 1.35
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .13 - —
l.c.l., dlvd. .....lb. .13½- —
36/58, bgs., c.l., dlvd....lb. .13½- —
l.c.l., dlvd .....lb. .14 - —
58/82, bgs., c.l., dlvd....lb. .14½- —
l.c.l., dlvd. .....lb. .15 - —
82/108, bgs., c.l., dlvd....lb. .15 - —
l.c.l., dlvd. .....lb. .15½- —
hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., dlvd., East, Middlewest..lb. .15 - —
l.c.l., same basis.....lb. .15½- —
60/164, bgs., c.l., same basis. lb. .16½- —
l.c.l., same basis.....lb. .17 - —
67/122, bgs., c.l., same basis..lb. .17½- —
l.c.l., same basis.....lb. .18 - —
75/222, bgs., c.l., same basis, lb. .18½- —
l.c.l., same basis.....lb. .19½- —
83/251,bgs.,c.l.,same basis.lb. .19½- —
l.c.l., same basis.....lb. .20½- —
92/283,bgs.,c.l.,same basis.lb. .20½- —
l.c.l., same basis.....lb. .21½- —
102/315, bgs., c.l., same basis lb. .21 - —
l.c.l., same basis.....lb. .22 - —
113/347, bgs., c.l., same basis lb. .22 - —
l.c.l., same basis.....lb. .23 - —
125/379, bgs., c.l., same basis lb. .23 - —
l.c.l., same basis.....lb. .24 - —
Glue prices for barrel packing, ¼c. lb higher, grinding charge, 20-40 mesh, ½c lb.; 60 mesh, 1c. lb.
Glycerin, C.P., cns., l.c.l.....lb. .16¼- .16⅝
dms., c.l., dlvd.....lb. .14¼- —
l.c.l., dlvd.....lb. .14¾- —
tanks, dlvd.....lb. .14 - —
dynamite, dms.....lb. Nominal.
high gravity, dms., c.l., dlvd.lb. .13¾- —
l.c.l., dlvd.....lb. .14¼- —
tanks, dlvd.....lb. .13½- —
saponification, basis 88%, dms., returnable, dlvd...lb. .09½- .09⅝
soaplye, basis 80%, dms., returnable, dlvd...lb. .08½- .08⅝
Glycol boriborate, dms.....lb. .23 - —
Phthalate, dms. .....lb. .38 - —
Stearate, dms. .....lb. .25 - —
Gold, U.S. purchase price....oz.35.00 -
Chloride, acid brown, bots..oz.20.75 -21.00
yellow, bots. .....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 —
U.S.P. IX, bots.....oz.14.50 -14.70
Gold of pleasure seed, bgs..lb. .12 - .12
Goldenseal root, bls.....lb. 3.25 - 3.35
powd., bxs. .....lb. 3.45 - 3.55
Grains of paradise, bgs.....lb. .23 - .23
Graphite, flake (cryst.), 90% 325 mesh, 50% graphitic carbon, bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works .....lb. .06¼- —
powd., 90% 325 mesh, 65% graphitic carbon, bgs., c.l., works..lb. .02½- —
65% graphitic carbon,, bbls., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
80% graphitic carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04½- —
Grease, house, trcs.....lb. .04¾- .05
White, trcs. .....lb. .05⅝- .06
Yellow, trcs. .....lb. .04¾- .05
Wool (see Adeps lanae and Degras).

Green, chrome, C.P., dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½ - —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½ - —
31-35%, bbls., same basis.lb. .25½ - —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½ - —
46-50%, bbls., same basis.lb. .30 - —
over 50%, bbls., same basis lb. .31 - —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

reduced, C.P. color content up 5%, bbls., same basis.lb. .06 - —
6-10%, bbls., same basis.lb. .06¾ - —
11-13%, bbls., same basis.lb. .07¼ - —
14-16%, bbls., same basis.lb. .07½ - —
17-19%, bbls., same basis.lb. .07¾ - —
20-21%, bbls., same basis.lb. .08 - —
22-23%, bbls., same basis.lb. .08¼ - —
24-25%, bbls., same basis.lb. .08½ - —
26-27%, bbls., same basis.lb. .08¾ - —
28-29%, bbls., same basis.lb. .09¼ - —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼ - —
34-35%, bbls., same basis.lb. .12¼ - —
36-40%, bbls., same basis.lb. .14¼ - —
41-45%, bbls., same basis.lb. .16¼ - —
46-50%, bbls., same basis.lb. .16¾ - —
51-55%, bbls., same basis.lb. .17¼ - —
56-60%, bbls., same basis.lb. .17¾ - —
61-65%, bbls., same basis.lb. .18¼ - —
66-70%, bbls., same basis.lb. .19¼ - —
71-75%, bbls., same basis.lb. .20¼ - —
oxide, dom., pure, bbls...lb. .22 - —
ceramic, light shades, bbls., c.l., works..lb. .28 - —
l.c.l., works .....lb. .30 - —
standard grade, bbls., works..lb. .21 - .22
Tetrahydroxide, bbls.....lb. .85 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 3.50 - —
emerald, kgs.....lb. 2.35 - —
Verdigris (see V).

Green dyes are listed under Dyes.

Grindelia robusta, bls.....lb. .08 - .09
Guaiac resin, cs.....lb. .27 - .28
strained, cs. .....lb. .90 - 1.00
Wood, bls. .....lb. .04 - .05
Guaiacol, liq., djns.....lb. 1.55 - 1.70
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Guarana, powd., cs. .....lb. 1.05 - 1.10
Gum, aloe (see A).
Ammoniac, tears., cs.....lb. .85 - .90
Arabic, amber sorts, cleaned, bgs..lb. .09½ - .09¾
white, sorts, 1, bgs.....lb. .23 - .24
2, bgs.....lb. .21 - .22
powd., bbls.....lb. .12 - .12½
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.40 - 1.60
Sumatra, cs.....lb. .23 - .25
Camphor (see C).
Chicle, prime, 33⅓% moisture, bgs., ton lots..lb. .38 - .39
Gum, copal, Congo 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran....lb. .34¾ - —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.
Copal, Congo 2, cloudy, white, bgs., c.l., same basis..lb. .26¾ - —
3, selected pale straw bold, bgs., c.l., same basis..lb. .18¼ - —
4, pale bold straw, bgs., c.l., same basis..lb. .18¾ - —
5, pale straw bold, bgs., c.l., same basis..lb. .14¾ - —
6, pale amber bold, bgs., c.l., same basis..lb. .15¾ - —
7, pale, straw bold, bgs., c.l., same basis..lb. .12¾ - —
8, light amber bold, bgs., c.l., same basis..lb. .11¾ - —
9, medium light amber, bold, bgs., c.l., same basis..lb. .09¾ - —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .09¾ - —
11, hard dark amber bold, bgs., c.l., same basis..lb. .07½ - —
12, selected, bold sorts, bgs., c.l., same basis..lb. .06½ - —
13, dark sorts bold, bgs., c.l., same basis..lb. .05¾ - —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .17¾ - —
15, ordinary ivory sorts, bgs., c.l., same basis.lb. .06½ - —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .05¾ - —
17, pale, fingers, bgs., c.l., same basis..lb. .15¾ - —
18, pale straw nubs, bgs., c.l., same basis..lb. .12¼ - —
19, pale straw nubs, bgs., c.l., same basis..lb. .11¾ - —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .08¾ - —
21, ordinary selected nubs, c.l., same basis..lb. .07¼ - —
22, small mixed nubs, bgs., c.l., same basis..lb. .06⅝ - —
23, dark mixed nubs, bgs., c.l., same basis..lb. .06¾ - —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .14¼ - —
25, No. 2, natural ivory nubs, bgs., c.l., same basis, lb. .07 - —
26, pale, bold chips, bgs., c.l., same basis..lb. .06 - —
27, pale small chips, bgs., c.l., same basis..lb. .05⅝ - —
28, pale dust, bgs., c.l., same basis..lb. .04⅜ - —
East India, Batu, bold scraped, bgs., c.l., same basis, lb. .05 - —
unscraped, bgs., c.l., same basis..lb. .04 - —
chips, bgs., c.l., same basis, lb. .03⅜ - —
dust, bgs., c.l., same basis..lb. .03¼ - —
nubs and chips, bgs., c.l., same basis..lb. .03⅜ - —
black, bold, scraped, bgs., c.l., same basis..lb. .06⅜ - —
unscraped, bgs., c.l., same basis..lb. .05 - —
nubs and chips, bgs., c.l., same basis..lb. .05 - —
Hiroe, Macassar, pale, bold, bgs., c.l., same basis.lb. .12½ - —
chips, bgs., c.l., same basis..lb. .05⅝ - —
Gum, copal, E.I., Hiroe, Maccassar, pale, dust., bgs., c.l., same basis..lb. .03¼ - —
nubs, bgs., c.l., same basis..lb. .08¾ - —
Singapore, Rasin, bold, bgs., c.l., same basis..lb. .14½ - —
chips, bgs., c.l., same basis, lb. .05¾ - —
dust, bgs., c.l., same basis.lb. .03¼ - —
nubs, bgs., c.l., same basis, lb. .10 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .11½ - —
light, bskts., c.l., same basis..lb. .13¾ - —
Loba A, bskts., c.l., same basis..lb. .11¼ - —
B, bskts..c.l.,same basis.lb. .10¼ - —
C, bskts..c.l.,same basis.lb. .09¾ - —
CNE, bskts., c.l., same basis..lb. .06⅝ - —
D, bskts., c.l., same basis, lb. .09¾ - —
DK, bskts., c.l., same basis, lb. .06⅝ - —
DU, bskts., c.l., same basis, lb. .08¾ - —
dust, bskts.,c.l., same basis, lb. .05⅜ - —
Sambas and white split chips, bskts., c.l., same basis..lb. .14⅝ - —
Singapore, dust., bskts., c.l., same basis..lb. .05⅝ - —
spirit-soluble, CBB, bskts., c.l., same basis..lb. .06¾ - —
DBB, bskts., c.l., same basis..lb. .08 - —
MA, bskts., c.l., same basis, lb. .06¼ - —
MB, bskts., c.l., same basis, lb. .06 - —
W8, bskts., c.l., same basis, lb. .08 - —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .06⅝ - —
chips, pale, bskts., c.l., same basis..lb. .08¼ - —
small, bskts., c.l., same basis..lb. .07¼ - —
extra pale sorts, bskts., c.l., same basis..lb. .08¾ - —
nubs, bskts., c.l., same basis..lb. .10⅜ - —
pale, scraped, bskts., c.l., same basis..lb. .11⅜ - —
seeds and dust, bskts., c.l., same basis..lb. .06⅜ - —
Pontianak, bold, genuine, bgs., same basis..lb. .15¼ - —
mixed, bgs., c.l., same basis..lb. .14 - —
chips, bgs., c.l., same basis, lb. .08⅝ - —
split, bgs., c.l., same basis, lb. .13⅜ - —
nubs, bgs., c.l., same basis, lb. .11¾ - —
Dammar, Batavia, A, cs, c.l., same basis as copal..lb. .20⅞ - —
A/D, cs, c.l., same basis.lb. .16¼ - —
A/E, cs., c.l., same basis.lb. .13¾ - —
B, cs., c.l., same basis..lb. .19¾ - —
C, cs., c.l., same basis...lb. .16¾ - —
D, cs., c.l., same basis..lb. .13¾ - —
dust., cs., c.l., same basis.lb. .05¾ - —
E, cs., c.l., same basis...lb. .07⅜ - —
F, cs., c.l., same basis...lb. .07¼ - —
Singapore 1, cs., c.l., same basis..lb. .15¾ - —
2, cs, c.l., same basis....lb. .10¾ - —
3, cs, c.l., same basis....lb. .05 - —
chips, cs., c.l., same basis.lb. .10⅝ - —
dust., cs., c.l., same basis, lb. .05 - —
seeds, cs., c.l., same basis, lb. .07¾ - —
Elemi, cns., c.l., same basis as copal..lb. .08¼ - —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del., and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs., lb. .06¾ - .07
less than 10,000 lbs., same basis..lb. .07 - .07⅛
dlvd., western N. Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or stright c.l., lb. .07¼ - .07½
l.c.l., same basis.....lb. .07½ - .08
dlvd., elsewhere, 75,000 lbs., contrs. or straight, c.l. lb. .07½ - .08
l.c.l., same basis.....lb. .07¾ - .08¼
Euphorbium, cs.....lb. .17 - .18
Galbanum, cs.....lb. .90 - .95
Gamboge, pipe, cs.....lb. .65 - .70
powd., bbls.....lb. .70 - .75
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karava, bbls., bxs., dms....lb. .14½ - .23
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18¼ - —
80% chips, cs., c.l., same basis..lb. .12½ - —
pale, XXX, cs., c.l., same basis..lb. .61 - —
1, cs., c.l., same basis..lb. .41 - —
2, cs., c.l., same basis..lb. .24 - —
3, cs., c.l., same basis..lb. .17¾ - —
Kino, tins.....lb. 2.50 - 2.75
Mastic, cs., c.l., same basis as copal..lb. .55 - .56
Myrrh, USP, cs.....lb. .35 - .36
Olibanum, siftings, bls.....lb. .07¼ - .18
tears, cs.....lb. .18 - .24
Opium (see O)
Rosin (see R)
Sandarac, cks., c.l., same basis as copal..lb. .25 - .26
Scammony, cs.....lb. 1.10 - 1.15
Senegal, picked, bgs.....lb. .25 - .27
sorts, bgs.....lb. .09¼ - .09¼
Talha, bgs.....lb. .07¼ - .08
Thus, bbls.....280 lbs.14.00 -14.25
Tragacanth, Alleppo 1, cs....lb. 2.65 - 2.70
2, cs.....lb. 2.35 - 2.40
3, cs.....lb. 2.30 - 2.35
4, cs.....lb. 2.25 - 2.30
5, cs.....lb. 2.20 - 2.25
flake, bgs.....lb. .50 - 1.00
Yacca, bgs., c.l., same basis as copal..lb. .03½ - —
powd., bgs., c.l., same basis.lb. .04½ - —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald.ton.21.15 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.27.15 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.15 - —
plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.12.50 - —
Gypsum, plaster of paris, paper bgs., c.l., f.o.b. Blue Rapids, Kans., frt equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.15.70 - —
Brighton, N. Y., frt. equald..ton.15.70 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
stucco, paper bgs., c.l., f.o.b. Acme, Texas; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald..ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock....ton.27.50 - —

H

Heliotropin, cryst., cns.....lb. 1.80 - 2.20
Hellebore, white, root, powd., bbls.lb. .12 - .13
Helonias root, bls.....lb. .55 - .60
Hematine crystals, bbls.....lb. .18 - .28
Hemlock bark extract, 25% tan, c.l., bbls., works..lb. .03 - —
l.c.l., bbls., works.....lb. .03¼ - —
tanks, works.....lb. .02⅝ - —
Hempseed, Manchur, bgs.....lb. .05¾ - .06
Henbane leaves, bls.....lb. .15 - .16
Henna leaves, bls.....lb. .07½ - .08
powd., bbls., bxs.....lb. .10 - .11
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½ - —
normal, 86-100°, dms., c.l., Group 3..gal. .11½ - —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½ - —
Hexalin, dms.....lb. .30 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .12½ - —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½ - —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .35 - —
150 to 1,350 lbs. shipments, same basis..lb. .36 - —
USP, dms., 500 lbs., or more, shipments, same basis, lb. .46 - —
100 to 400 lbs., shipments, same basis..lb. .47 - —
Hexyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .13 - —
l.c.l., same terms.....lb. .13½ - —
tanks, same terms.....lb. .12 - —
Homatropine hydrobromide, bots., 50 ozs..oz.13.00 - —
25 ozs.....oz.13.50 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 2.50 - —
Hops, N. F., bls.....lb. .17 - .27
Horehound, bls.....lb. .08 - .09
Hydrangea root, bls.....lb. .09 - .10
Hydrastine, bots., 4 ozs.....oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Hydrochloride, bots., 4 ozs...oz.17.25 - —
cns., 16 oz. .....oz.17.00 - —
Sulphate, bots., 4 ozs.....oz.19.25 - —
cns., 16 oz. .....oz.19.00 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾ - .04
100 vols., cbys., E.ofMiss.R.lb. .20 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.18.00 -19.00
Hyoscyamine, bots.....oz.15.00 - —
Hydrobromide, bots.....oz.15.00 - —
Sulphate, bots.....oz.15.00 - —
Hypernic, liq., 51°, bbls.....lb. .16 - .21
solid, bxs. .....lb. .18½ - .20½

I

Iceland moss, bls.....lb. .12 - .13
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½ - .19
powd., bbls.....lb. .74½ - .85
Indel. CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.30 - —
kgs., 150 lbs.....lb. 1.07 - —
less 5%, kgs., 150 lbs..lb. 1.07 - —
resubl., bots., 5 lbs.....lb. 1.85 - —
jars, 50 lbs.....lb. 1.75 - —
tincture, USP, bbls., 47 gals., gal. 1.55 - —
cbys., 5 gals.....gal. 1.60 - 1.65
mild, bbls., 47 gals.....gal. .80 - —
cbys., 5 gals.....gal. .85 - .90
Iodoform, dms., 100 lbs.....lb. 3.95 - —
jars, 25 lbs.....lb. 4.05 - —
Ionone, alpha, bots.....lb. 2.50 - 2.55
alpha, extra, bots.....lb. 4.00 - 4.05
alpha beta, bots.....lb. 2.25 - 2.30
beta, bots.....lb. 4.10 - 4.15
Ipecac root, bgs.....lb. 1.10 - 1.15
powd., bxs.....lb. 1.20 - 1.25
Irish moss, ordinary, bls.....lb. .10 - .11
powd., 80-90 mesh, bbls...lb. .20 - .22
prime, bleached, bls.....lb. .16 - .20
Iron acetate, N. F. IV, cbys., 100 lbs..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhyd., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms .....100 lbs. 5.00 - 6.60
cryst., bbls., works, frt. alld. or equld..lb. .05 - .06
kegs, works, frt. alld. or equld..lb. .07½ - .08
liquor, cbys., works, frt. alld. or equld..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½ - —
kegs .....lb. .08½ - —
USP solut., cbys., works, frt. alld. or equld..lb. .06½ - .07
djns .....lb. .07½ - —
Citrate, USP VIII, pearls, cns., lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.87 - —
smaller lots.....lb. 2.97 - —
cns., 25 lbs.....lb. 3.09 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.99 - —
syrup, djns.....lb. .37 - .38
bots .....lb. .52 - —
Nitrate, coml., kgs.....lb. .02⅝ - .08
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).

Green, Chrome—Lead, Red

Iron, phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Ferrous, bbls., 200 lbs.....lb. .35 - —
bxs., 25 lbs.....lb. .40 - —
kgs., 100 lbs.....lb. .37 - —
Pyrophosphate, pearls, cns..lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas and ferric sulphate),
USP, cryst., bbls., 275 lbs. lb. .04½ - —
dms., 100 lbs.....lb. .06½ - —
Iron-ammonia citrate, brown, gran., cns..lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
Oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½ - —
kgs. .....lb. .25½ - —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½ - —
kgs. .....lb. .25½ - —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. pd. E. of Rocky Mts..lb. .06½ - —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .05½ - —
Isopropyl alcohol (see Alcohol).
Ether, dms., c.l., works, frt. alld. E. of Miss R..lb. .07 - —
l.c.l. .....lb. .08 - —
tanks .....lb. .06 - —

J

Jaborandi leaves, bls.....lb. .10 - .11
Jalap root, NF, bls.....lb. .16 - .17
powd., bbls., bxs.....lb. .20 - .21
Juniper berries, bgs.....lb. .03¾ - .04

K

Kamala, tins .....lb. .32 - .33
Kava kava root, bls.....lb. .15 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks.gal. .05¾ - —
Gulf ports, p.w., bulk, export, gal. .03¾ - —
w.w., bulk..gal. .04 - —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04¾ - .04½
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04 - .04⅝
42-44 w.w., tanks.....gal. .04½ - .04½
Pennsylvania, 45 w.w., tanks, gal. .04¾ - —
46 w.w., tanks.....gal. .05 - —
47 w.w., tanks.....gal. .05½ - —
Kerosene, tankwagon:—
Atlanta .....gal. .14 - —
Boston .....gal. .08½ - —
Chicago .....gal. .10½ - —
Cincinnati .....gal. .13 - —
Denver .....gal. .11¼ - —
Louisville .....gal. .10½ - —
Minneapolis .....gal. .10⅜ - —
New Orleans .....gal. .12 - —
New York .....gal. .08¾ - —
San Francisco .....gal. .11½ - —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .07½ - .08

L

Lady slipper root, bls.....lb. .55 - .60
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 8.00 - 8.25
Middlewestern, trcs...100 lbs. 8.25 - 8.35
Neutral, trcs.....100 lbs. 9.75 -10.00
Western, choice, trcs....lbs. 8.35 - 8.45
Compound, trcs.....100 lbs.10.50 -10.75
Larkspur seed, bgs.....lb. .30 - .33
Laurel berries, bls.....lb. .09 - .10
Leaves, Ital., bls.....lb. .04½ - .04½
Lavender flowers, ordinary, bls.lb. .35 - .40
select, bls. .....lb. .46 - .48
Lead acetate, white, broken, bbls..lb. .10 - —
cryst., bbls.....lb. .10 - —
gran., bbls.....lb. .10¾ - —
powd., bbls.....lb. .10¾ - —
Arsenate, bgs., dealers E. of Rockies..lb. .12½ - —
W. of Rockies.....lb. .12½ - —
l.c.l., bgs., dealers, E. of Rockies..lb. .13 - —
W. of Rockies.....lb. .12¾ - —
Lead arsenate prices are works or whse basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse pick ups.
Blue, basic sulphate, bbls., c.l., dlvd, E..lb. .06 - —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06½ - —
l.c.l., dlvd., E.....lb. .06¼ - —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06½ - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib. dms., 25 lbs.....lb. .49 - —
Iodide, N. F., V., powd., bots., 5 lbs..lb. 2.67 - —
jars .....lb. 2.55 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .19 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .10 - .13
Oleate, bbls.....lb. .18½ - .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0765- —
other points.....lb. .0740- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08 - —

Lead, Red—Mica

Lead, red, dry, 95% or less, bbls., l.c.l., 5 tons, dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08½ - —
Colo., Mont., N. Mex., Wyo..lb. .08¼ - —
other points ....lb. .07¾ - —
smaller lots, dlvd., Ala., etc..lb. .08½ - —
Ariz., etc. .....lb. .09 - —
Colo., etc. .....lb. .08¾ - —
other points ....lb. .08¼ - —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc. lb. .0790 - —
other points .....lb. .0765 - —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¼ - —
Ariz., etc. .....lb. .08¾ - —
Colo., etc. .....lb. .08½ - —
other points.....lb. .08 - —
smaller lots dlvd., Ala., etc..lb. .08¾ - —
Ariz., etc. .....lb. .09¼ - —
Colo., etc. .....lb. .09 - —
other points ....lb. .08½ - —
98%, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc..lb. .0815 - —
other points ....lb. .0790 - —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08½ - —
Ariz., etc. .....lb. .09 - —
Colo., etc. .....lb. .08¾ - —
other points ....lb. .08¼ - —
smaller lots, dlvd. Ala., etc..lb. .09 - —
Ariz., etc. .....lb. .09½ - —
Colo., etc. .....lb. .09¼ - —
other points .....lb. .08¾ - —
in oil, 95% min., 100-lb. kgs., lb. .11¾ - —
Resinate, fused, 16%, bbls...lb. .09½ - —
pale, bbls.....lb. .11½ - —
precip., bbls.....lb. .16¼ - —
Stearate, bbls. .....lb. .22 - .28
Sulphate (see Lead, white, basic sulphate).
Titanate, bbls.. c.l., f.o.b. works, frt. alld..lb. .11 - —
l.c.l., 5 tons, one delvy, dlvd., lb. .11¼ - —
smaller lots .....lb. .11½ - —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07 - —
other points.....lb. .06¾ - —
l.c.l.,dlvd.,Ariz., etc.lb. .07¼ - —
other points.....lb. .07 - —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06¼ - —
other points .....lb. .06 - —
l.c.l., dlvd., Ariz., etc...lb. .06½ - —
other points.....lb. .06¾ - —
in oil, 100-lb. kgs., consumers, lb. .11¼ - —
dealers .....lb. .09¼ - —
painters .....lb. .10¼ - —
Lecithin, 100%, cns., f.o.b., N. Y., or Chi....lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½ - .65
grades 2 or 3, dms., c.l., same basis..lb. .47½ - —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis, lb. .50 - —
l.c.l., same basis.....lb. .52½ - .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½ - .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½ - .55
grades 2 or 3, dms., c.l., same basis..lb. .37½ - —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis..lb. .40 - —
l.c.l., same basis.....lb. .42½ - .60

Lecithin prices quoted above are for goods packed in 25, 50, or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.

Lemon peel, bls.....lb. .09 - .10
Licorice extract, mass, cs.....lb. .17 - .18
powd., bbls.....lb. .24 - .25
Root, bls.....lb. .04½ - .05
powd., bbls., bxs.....lb. .07 - .08
select, bndls., cs.....lb. .16 - .17
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
California, northern..ton.11.80 - —
southern .....ton.11.45 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Chicago .....ton. 7.25 - —
Crab Orchard, Tenn.ton. 6.25 - —
Dallas, Texas.....ton. 8.50 - —
Durbin, Ohio.....ton. 6.50 - —
Eagle Mountain, Va.ton. 7.00 - —
Easton, La. .....ton. 8.00 - —
Farnams, Mass. ....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn. ....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Marble Cliff, Ohio...ton. 6.50 - —
Marblehead, Ohio....ton. 7.50 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Oranda, Va.....ton. 7.00 - —
Potoskey, Mich.....ton. 8.00 - —
Port Island, Mich....ton. 7.50 - —
Ripplemead, Va. ....ton. 7.00 - —
Riverton, Va. .....ton. 7.00 - —
Scioto, Ohio.....ton. 6.00 - —
Sheboygan, Wis.....ton. 7.00 - —
Sherwood, Wis. ....ton. 7.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bgs., Bellefonte, Pa..ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo .....ton 10.00 - —
California, northern.ton.15.30 - —
southern .....ton.13.95 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa...ton. 8.00 - —
Chicago .....ton. 9.50 - —
Crab Orchard, Tenn.ton. 9.00 - —
Dallas, Tex.....ton.12.00 - —
Durbin, Ohio.....ton. 8.00 - —
Eagle Mountain, Va.ton. 9.00 - —
Easton, La. .....ton.10.00 - —
Farnams, Mass. ....ton. 9.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.50 - —
Marble Cliff, Ohio...ton. 8.00 - —
Marblehead, Ohio....ton. 8.50 - —
Martinsburg, W. Va.ton. 8.50 - —
Milltown, Ind.....ton.12.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Oranda, Va.....ton. 8.50 - —
Pelham, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va. ....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Wis. ....ton. 9.00 - —
Siluria, Ala. .....ton. 9.00 - —
Springfield, Mo. ....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bags, f.o.b. Bellefonte, Pa..ton. 9.50 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton.10.00 - —
Gibsonberg, Ohio....ton.11.00 - —
Marble Cliff, Ohio....ton.11.00 - —
Marblehead, Ohio....ton.11.00 - —
Oranda, Va.....ton. 9.00 - —
Scioto, Ohio.....ton.10.00 - —
Sherwood, Wis.....ton. 9.50 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —

Lime salts (see Calcium)

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½ - .08½
dms., same basis.....lb. .10½ - —
400 lbs., or more, bgs., same basis..lb. .07¾ - .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½ - .09½
dms., same basis.....lb. .12 - —
solution, zone 1, dms., consumer. gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½ - —
30-50 dms.....gal. .11 - .15
Zone 3, tanks, dealers, dlvd., gal. .11½ - —
30-50 dms.....gal. .14 - .18
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., c.l. and l.c.l.....gal. .13 - .14
Zone 5, tanks, dealers, dlvd., gal. .10½ - —
c.l. and l.c.l.....gal. .13 - .14
Zone 6, tanks, dealers.....gal. .07¼ - —
30-50 dms.....gal. .09 - .13

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Mich., Wis., Minn., Mo., and Tenn., west of Tenn. River; Penna., eastern tier, and W. Va., western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes, and Rockingham.

Linalool, cns.....lb. 2.10 - 6.30
Linalyl acetate, cns., 25 lbs...lb. 1.35 - 2.25
Linden flowers, with leaves, bls.lb. .25 - .27
without leaves, bls.....lb. .16 - .17
Linseed cake, bgs., export....ton.30.00 - —
Meal, 34%, dom., bgs.....ton.42.00 - —
Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0665 - —
dlvd., other points....lb. .0640 - —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.....lb. .07 - —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .07½ - —
Colo., Mont., N. Mex., Wyo..lb. .07 - —
other points .....lb. .06¾ - —
smaller lots, dlvd., Ala., etc. lb. .07½ - —
Ariz., etc. .....lb. .08 - —
Colo., etc. .....lb. .07¾ - —
other points .....lb. .07¼ - —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb., bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.63 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Fluoride, bbls. .....lb. 2.10 - 2.25
Lithopone, dom.,high-strength,bgs., 20 tons, dlvd., E. or ex whse, Pac. Cst.....lb. .05½ - —
smaller lots, same basis.lb. .05¾ - —
bbls., 20 tons, same basis, lb. .05¾ - —
smaller lots, same basis.lb. .06¼ - —
ordinary, bgs., 20 tons, same basis..lb. .04¼ - —
smaller lots, same basis.lb. .04¾ - —
bbls., 20 tons, same basis, lb. .04¾ - —
smaller lots, same basis.lb. .04¾ - —
titanated, bgs., 20 tons, same basis..lb. .05¾ - —
smaller lots, same basis.lb. .05¾ - —
bbls., 20 tons, same basis, lb. .05¾ - —
smaller lots, same basis.lb. .06¼ - —
Liverwort leaves bls.....lb. .18 - .19
Lobelia herb, bls.....lb. .13 - .14
Seed, bgs. .....lb. .40 - .45
Logwood extract, cryst., bbls..lb. .18 - .24
liquid, 51°, bbls.....lb. .09½ - .11½
solid, bxs. .....lb. .15 - .19
Lovage root, dom., bls.....lb. .55 - .65
import, bls. .....lb. .35 - .37
Lupulin, N.E., tins.....lb. 1.15 - 1.50
Lycopodium, cs. .....lb. 1.05 - 1.10

M

Mace, Banda, cs.....lb. .54½ - .55
Batavia, cs.....lb. .42½ - .43
Siauw, 1, cs.....lb. .47 - .48
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia arsenate, cyl.....lb. .18 - .20
Calcined, tech., USP., bbls., works..lb. .26 - —
Carbonate, tech., Zone 1, bgs., c.l..lb. .06¼ - —
l.c.l. .....lb. .07 - —
bbls., c.l.....lb. .07¼ - —
l.c.l. .....lb. .08 - —
kgs., c.l.....lb. .08¾ - —
l.c.l. .....lb. .09½ - —
USP, Zone 1, bbls., c.l.....lb. .08¼ - —
l.c.l. .....lb. .09 - —
kgs., c.l.....lb. .09¾ - —
l.c.l. .....lb. .10½ - —

Magnesia:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., Del., and Md. Zone 2, balance of U. S. C.l., shipm'ts, full fr't alld. up to, but not exceeding 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts, frt. alld. including dlvd. store-door. Magnesia prices are f.o.b., Plymouth meeting house.

Chloride, flake, dom., bbls., works..ton.39.00 -42.00
Hypophosphite, cns., 100 lbs.lb. 1.45 - —
25 lbs. .....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls. .....lb. .33 Nom.
Peroxide, 15%, dms., works.lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .09½ - .10½
Stearate, bbls., ctns., c.l.....lb. .21 - —
1 ton .....lb. .22 - —
1,000-2,000 lbs. .....lb. .23 - —
smaller lots .....lb. .24 - —
Sulphate (see Epsom salt).
Magnesite, cal., dom., bgs....ton.56.00 -60.00
import, bbls.....ton.60.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash....ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .25 - —
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Trisilicate, cs., 500-lb. lots..lb. .53 - —
100-lb. lots .....lb. .55 - —
cns., ...lb. .75 - .80
Malva flowers, black, bls.....lb. .45 - .47
blue, bls. .....lb. .45 - .50
Leaves, bls. .....lb. .11 - .12
Manaca root, bls.....lb. .20 - .21
Mandrake root, bls.....lb. .10½ - .11
Manganese acetate, dms.....lb. .26½ - —
Arsenate, bgs. .....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls. .....lb. .19 - —
Chloride, bbls. .....lb. .07½ - .07¾
Dioxide, Caucasian, 85-90%, bbls., c.l., works..ton.61.50 - —
l.c.l., 5 tons, works..ton.64.50 - —
smaller lots, works..ton.69.50 - —
burlap bgs., c.l., works.ton.59.50 - —
l.c.l., 5 tons, works..ton.62.50 - —
smaller lots, works.ton.67.50 - —
paper bgs , c.l., works.ton.57.50 - —
l.c.l., 5 tons, works.ton.60.50 - —
84-87% bgs., 28-40 tons, wks. ton.57.00 - —
5-15 tons, wks.....ton.60.00 - —
½-4 tons, wks.....ton.65.00 - —
300-600 lbs., wks....ton.75.00 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots ....lb. 2.01 - —
smaller lots .....lb. 2.71 - —
cns., 25 lbs. .....lb. 2.83 - —
solut., djns., 1,000-lb. lots, lb. .61 - —
smaller lots .....lb. .71 - —
cns., 25 lbs. .....lb. .81 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.45 - —
jars, 25 lbs. .....lb. 5.30 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls..lb. .19 - —
Ore, 50-52% basis, bbls., c.l., Atl. ports..unit-ton.45.00 -47.00
Resinate, fused, 3½%, bbls..lb. .08¼ - .08½
precip., dms. .....lb. .12 - —
Sulphate, anhyd., bbls., works. lb. .07 - .07½
cryst., 65% $MnSO_4$, bgs., c.l., dlvd. South..ton.48.75 - —
l.c.l., bgs. .....ton.55.75 - —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory, unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .03½ - —
smaller lots, works..lb. .04 - —
Mangrove bark, bgs., shipt..ton.24.50 - —
Manna flake, large, cs.....lb. .40 - .41
small, cs.....lb. .22 - .23
Mannitol, reagent, pure cryst., cs., works..lb. 1.30 - —
commercial, cryst., bbl., ton lots..lb. .55 - —
smaller lots.....lb. .70 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bbls.....ton. .15½ - .16
Tunisan, bls.....lb. .15 - .15½
Matico leaves, bls.....lb. .24 - .25
Menthol, USP, natural, cs....lb. 3.25 - 3.35
synthetic, tech., cs.....lb. 2.25 - —
USP, cs. .....lb. 3.00 - —
liquid, dms., 50 lbs.....lb. 1.25 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots .....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs. .....lb. .77 - —
25 lbs. .....lb. .79 - —
50%, pails, 50 lbs.....lb. 1.11 - —
25 lbs. .....lb. 1.13 - —
Mercury (see Quicksilver).
Bichloride (see Corrosive sublimate).
Bisulphate, bots., 5 lbs.....lb. 1.81 - —
fib., dms. 100 lbs.....lb. 1.68 - —
jars, 25 lbs .....lb. 1.70 - —
Chloride (see Calomel).
Iodide, red N. F., bots., 5 lbs., lb. 3.55 - —
cns., 25 lbs.....lb. 3.60 - —
fib., dms., 100 lbs.....lb. 3.60 - —
yellow, bots., 5 lbs.....lb. 3.80 - —
cns., 25 lbs.....lb. 3.65 - —
fib., dms., 100 lbs.....lb. 3.65 - —
Nitrate ointment (see Citrine ointment).
Mercury, oxide red, N.F. (see red precipitate).
tech. (See Red, mercury oxide).
Yellow, dom., tech., bbl....lb. 1.21 - —
USP, fib. dms., 50 lbs. or more..lb. 1.73 - —
Mercury and chalk, ctns., 5 lbs., lb. 1.22 - —
fib., dms., 25 lbs.....lb. 1.10 - 1.12
Mesityl oxide, cns., works.....lb. .25½ - .27½
dms., c.l., works.....lb. .21 - —
l.c.l., works.....lb. .21½ - —
tanks, works.....lb. .20 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½in...pkg. 1.70 - 1.80
Gold, XX deep, 23K, 3⅜x3⅜ in..pkg.15.25 -15.75
3⅜x3⅜ in.....pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3⅜x5⅞ in.....pkg.22.50 -23.00
3⅜x5⅞ in.....pkg.24.50 -25.00
Silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroanilin, kgs.....lb. .67 Nom.
Metanitroparatoluidin, bbls....lb. 1.45 - —
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, natural, denat. grade, tanks..gal. .25 - —
97%, tanks.....gal. .32 - —
95%, tanks.....gal. .31 - —
Methyl acetone, tanks.....gal. .25 - —

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 6c. per gal. higher on drums, car lots.

pure, synth., dms., c.l., Zone 1, frt. alld..gal. 38 - —
2 frt. alld.....gal. 41 - —
3, frt. alld.....gal 42 - —
4, frt. alld.....gal. 44 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. 40½ - —
2, frt. alld. or dlvd gal. 44½ - —
4, frt. alld or dlvd gal. 46 - —
tanks, Zone 1, frt alld gal 33 - —
2, frt. alld..... gal. 35½ - —
3, frt. alld..... gal. .36½ - —
4, frt. alld..... gal 37 - —

Synthetic methanol sales zones are—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .08 - —
W. of Miss. R.....lb. .09 - —
l.c.l., dms., dlvd. E. of Miss. R..lb. .08½ - —
W. of Miss. R.....lb. .09½ - —
tanks, dlvd. E. of Miss R. lb. .07 - —
W. of Miss. R.....lb. .08 - —
tech., dms., c.l., dlvd. E. of Miss. R..lb. .07½ - —
W. of Miss. R.....lb. .08½ - —
l.c.l., dlvd. E. of Miss. R..lb. .08 - —
W. of Miss. R. .....lb. .09 - —
tanks, dlvd. E. of Miss. R., lb. .06¼ - —
W. of Miss. R. .....lb. .07½ - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½ - —
Acetone, natural, tanks.....gal. .25 - —

Methyl acetone in drums, car lots, is 5c. per gal. higher, frt. alld., east of Rocky Mts. Prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies gal. .38 - —
2, frt. alld. E. of Rockies, gal. .41 - —
3, Pacific Coast.....gal. .42 - —
Zone 4.....gal. .44 - —
l.c.l., Zone 1, frt. alld. E. of Rockies..gal. .41 - —
2, frt., alld. E. of Rockies..gal .475 - —
3, Pacific Coast.....gal. .45 - —
4 .....gal. .605 - —
tanks Zone 1, frt. alld. E. of Rockies.....gal. .315 - —
2, ft. alld. E. of Rockies, gal. .34 - —
3, Pacific Coast.....gal. .35 - —
4 .....gal. .355 - —

Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast; Zone 4, Ariz., Col., Mont., Nev., Idaho, Ore., Utah, Wash., N. Mex.

Methyl alcohol, (see Methanol).
Anthranilate, bots. .....lb. 2.10 - 2.30
Benzoate, cns., 25 lbs.....lb. .70 - 1.20
Bromide, cyl. .....lb. .60 - .75
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders.lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 130-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Methyl Cinnamate, bls.....lb. 2.45 - 3.75
Formate, dms. .....lb. .35 - .36
Lactate, dms., l.c.l., dlvd...lb. .30 - —
Methyl Iodide, bots.....lb. 3.68 - 3.83
Salicylate, dms. .....lb. .40 - .42
cns. .....lb. .42 - .45
Violet toner, bbls.....lb. .38 - —
permanent, bbls. .....lb. .80 - —
Methylbutyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.lb. .11½ - —
l.c.l., same terms.....lb. .12 - —
tanks, same terms.....lb. .10½ - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb.23.00 -44.00
Methylhexyl ketone, dms., tech., wks..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .76 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphtyl ketone, dom., cryst., bots..lb. 3.25 - 3.30
imp, bots.....lb. 3.10 - —
Methylpropyl carbinol (see Carbinol).
Ketone, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .20 - —
tanks .....lb. .15 - —
Metronite pigment, 120 mesh, containers, extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers, extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.15.00 - —
325 mesh, containers, extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works....lb. .02 - —
500 lbs., works....lb. .02½ - —
100 lbs., works....lb. .03 - —
roofing, bgs., extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs., extra and returnable, c.l., works. ton.55.00 - —
l.c.l., 5,000 lbs., works. ton.65.00 - —
white, No. 1 quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works ton.45.00 - —
1,000 lbs., works...lb. .02½ - —
500 lbs. works....lb. .03 - —
100 lbs., works....lb. .03½ - —

Mica, dry grd., white, roofing, bgs., extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs, works, ton.39.00 - —
paint, bgs., extra and returnable, c.l., works, ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., dlvd. E..lb. .04¼- —
l.c.l., 1,000 lbs., dlvd. E..lb. .04¾- —
smaller lots, dlvd. E..lb. .03¼- —
paper, wall or coated, bgs., c.l., frt. alld., E..lb. .04½- —
c.l., 1,000 lbs., frt. all., E..lb. .04¾- —
smaller lots, frt. alld., E..lb. .05½- —
rubber bgs., c.l., frt. alld. E., lb. .04 - —
l.c.l., 1,000 lbs., frt. alld., E..lb. .04½- —
smaller lots, frt. alld., E..lb. .05 - —
wet-ground mica prices are ½c. per pound higher on Pacific Coast.
Milk powder, skimmed roller, bbls., c.l..lb. .06 - —
l.c.l. .....lb. .07 - —
spray, bbls., c.l.....lb. .06½- —
l.c.l. .....lb. .07½- —
unskimmed, roller bbls., c.l.lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l.....lb. .15½- —
l.c.l. .....lb. .16½- —
Millet seed, yellow, bgs.....lb. .03 - .03¼
red, bgs.....lb. .0240- .0270
hulled, bgs. .....lb. .05½- .06
Mineral spirits (see Petroleum thinner and V M & P, naphtha).
Molasses, blackstrap, tanks..gal. .06½- —
New Orleans.....gal. .06 - —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works .....lb. .55 - —
Monobutylamine dms., l.c.l., works..lb. .65 - —
Monochlorobenzene, dms. .....lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms. .....lb. .25 - —
tanks .....lb. .23 - —
Monoethylanilin, dms. .....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .65 - —
l.c.l., dlvd.....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots. 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gal., l.c.l., works..lb. .75 - —
smaller containers, works....lb. 1.00 - —
Mullein flowers, cns.....lb. .80 - .85
Leaves, bls.....lb. .07 - .08
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
pods, caddies, 20 ozs.....oz.19.00 -21.00
synth., ambrette, cns., 100 lbs. or more..lb. 3.25 - —
5 lbs. to 75 lbs.....lb. 3.50 - —
1 lb.....lb. 3.65 - —
ketone, cns., 100 lbs. or more, lb. 3.40 - —
5 lbs. to 75 lbs.....lb. 3.65 - —
1 lb.....lb. 3.80 - —
xylol, cns., 100 lbs. or more, lb. 1.00 - —
5 lbs. to 75 lbs.....lb. 1.10 - —
1 lb. .....lb. 1.25 - —
Musk root, bls.....lb. .12 - .13
Mustard seed, Bombay, brown, bgs..lb. .04½- .05
California, brown, bgs.....lb. .07 - .07½
Chinese, yellow, bgs.....lb. .05¾- .06¼
Danish, yellow, bgs.....lb. .08 - .08½
Dutch, yellow, bgs.....lb. .07¾- .08
English, yellow, bgs.....lb. .09 - .09½
Hungarian, yellow, bgs....lb. .07¾- .08¼
Roumanian, yellow, bgs....lb. .06 - .06½
Myrobalans, Jl. bgs., shipt...ton.27.50 - —
J2, bgs., shipt.....ton.19.00 - —
R2, bgs., shipt.....ton.17.00 - —
Extract, liquid, 25%, bbls....lb. .03¾- .05¼
solid, 50% bbls.....lb. .04¾- —
powdered, 70% bbls.....lb. .05¾- —

N

Naphtha, Painters' (see Petroleum naphtha. V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., bbls., wks., 100 lbs. 2.35 - 2.85
78 deg., bgs., bbls., wks., 100 lbs. 2.75 - 3.35
import, bgs., Atl. ports..100 lbs. 1.50 - 1.85
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works.....lb. .06¾- —
50-lb. cs., same basis..lb. .07 - —
pkgs. (16 oz.), same basis, lb. .07½- —
(12 oz.) same basis..pkg. .06 - —
chipped, crushed, bbls., same basis..lb. .06½- —
rice, cryst., powd., bbls., same basis..lb. .06¾- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls .....lb. .36 - .37½
Chloride, bbls. .....lb. .18 - .20
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls. .....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld.lb. .70 - —
10-lb. tins .....lb. .86½- —
Nitreake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ¼, and 40, sec. vis., bbls., works..lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .20 - —
ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works..lb. .33 - —
l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls., lb. .26 - —
ester-soluble, lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitrogen solution, 45½% ammon., tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 1.00 - —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., dlvd.....unit-ton. No prices.
Nitrogenous material, dom., bulk., f.o.b. Chemical, Ill. unit-ton. 2.35 - 2.45
East Coast producing points..unit-ton. 2.65 - 2.75
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. 2.65 - 2.70
Nitronaphthalene, bbls.....lb. .24 - .28
Nutgalls, Aleppo, bgs., cs.....lb. No prices
Chinese, shipt., cs.....lb. No prices
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .49 - .50
110s, bgs., cs.....lb. .19 - .19½
West Indian, bgs.....lb. .10¾- .11
Nux vomica, bls.....lb. .03¾- .04
powd., bbls., bxs.....lb. .06 - .07

O

Oakbark extract, 25% tan., bbls., c.l. wks..lb. .03½- —
l.c.l., bbls., wks.....lb. .03¾- —
tanks .....lb. .02¾- —
Ocher (see Yellow).
Octanes, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .10½- —
Octyl acetate, dms., c.l., works..lb. .45
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 2.00 - 2.50
s.p.a., bots.....lb. 2.05 - 2.75
sweet, true, exp., cns.....lb. .65 - .68
Amber, crude, cns.....lb. .16 - .17
ref'd, cns.....lb. .50 .51
Amyris, cns.....lb 3.00 - 3.25
Angelica root, bots.....lb.61.25 -100.00
seed, bots.....lb.70.00 -80.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .77 - .79
Apricot kernel, cns..... lb .25 .32
Babassu, tanks .....lb. .06¾ Nom.
Bay, W. I., cns.....lb. 1.35 - 1.50
Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers .....lb. 3.90 - 4.00
Oil, betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birch tar, crude, dms.....lb. .16 - .17
rectified, cns. .....lb. .65 - .70
Bois de rose, Brazil, cns....lb. 1.55 - 1.60
Cayenne, cns.....lb. 1.50 - 1.75
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .42 - .45
USP IX, cns. .....lb. .48 - .50
Calamus, cns. .....lb. 3.60 - 4.25
Camphor, sassafrassy, cns....lb. .19 - .20
dms. .....lb. .17 - .18
white, cns.....lb. .20 - .21
dms. .....lb. .17 - .18
Cananga, native, cns.....lb. 1.25 - 1.30
rectified, cns. .....lb. 1.80 - 1.85
Capsicum (oleoresin), USP X, cns..lb. 1.90 - 2.00
Caraway, USP, cns.....lb. 1.90 - 2.00
Cardamom, bots. .....lb.15.00 -33.00
Cassia, USP, cns., dms.....lb. .85 - .90
Castor, blown, one-way dms., c.l..lb. .11¼- —
l.c.l. .....lb. .12 - —
Medicinal, bbls., c.l.....lb. .09¾- —
l.c.l. .....lb. .10½- —
cns. (1-gal.), l.c.l.....lb. .13½- —
dms. (returnable), c.l. ..lb. .09½- —
l.c.l. .....lb. .10¼- —
(5-gal.), l.c.l. .....lb. .11½- —
tanks .....lb. .09 - —
No. 3, bbls., c.l.....lb. .09¼- —
l.c.l. .....lb. .10 - —
dms. (returnable), c.l....lb. .09¾- —
l.c.l. .....lb. .09¾- —
tanks .....lb. .08½- —
Castor oil, med. and No. 3 prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way dms., ¼c. higher, all points.
sulphonated, 50% (48% fat), dms., c.l..lb. .06¼- .06¾
l.c.l. .....lb. .07¼- .08¾
Oil, castor, sulphonated, 75% (63½ fat), dms., c.l.....lb. .09 - .09½
l.c.l. .....lb. .10 - .10½
80% (68% fat), dms., c.l..lb. .09½- .10½
l.c.l .....lb. .10½- .11
Cedarleaf, cns. .....lb. .63 - .68
dms. .....lb. .60 - .65
Cedarwood, Oregon, cns., dms. lb. .28 - .30
Southern, cns.. dms.....lb. .20 - .23
Celery, bots.....lb. 7.50 -14.50
Chaulmoogra, USP, cns., 500 lbs., lb. .90 - —
25 lbs. .....lb. 1.00 - —
Chinawood, dms.....lb. .13½- .13¾
tanks .....lb. .1280- .1300
Cinnamon, Ceylon, bots.....lb. 8.00 -22.00
Seychelle, bots. .....lb. 6.50 - 7.50
Citronella, Ceylon, cns.....lb. .35 - .35½
dms. .....lb. .33½- .34
Java, dms.....lb. .38 - .40
Clove, makers, USP, cns.....lb. .98 - —
dms. .....lb. .95 - —
Coconut, Manila, crude, tanks.lb. .03¼- —
Pac. Cst.....lb. .02⅞ Nom.
edible, 76°, tax incl., dms., (returnable), c.l..lb. .09 - —
l.c.l. .....lb. .09¼- —
tanks .....lb. .08¼- —
Cod, Newfoundland, shipt., tanked, bbls..gal. .38 Nom.
Norwegian, shipt., bbls...gal. .27 - .29
Codliver, med., U.S.P., Norwegian, bbls..bbl.26.00 - 27.00
Coriander, bots. .....lb.18.00 -20.00
Corn, crude, tanks, works...lb. .08 - .08¼
refd., bbls.....lb. .10¼- .10½
Cottonseed, d o m., cooking, bbls..lb. .10 - —
salad, bbls.....lb. .10¼- —
import, Brazilian, semi-refd., dms..lb. .0475- —
Creosote (see C).
Croton, USP, cns.....lb. 1.30 - 1.35

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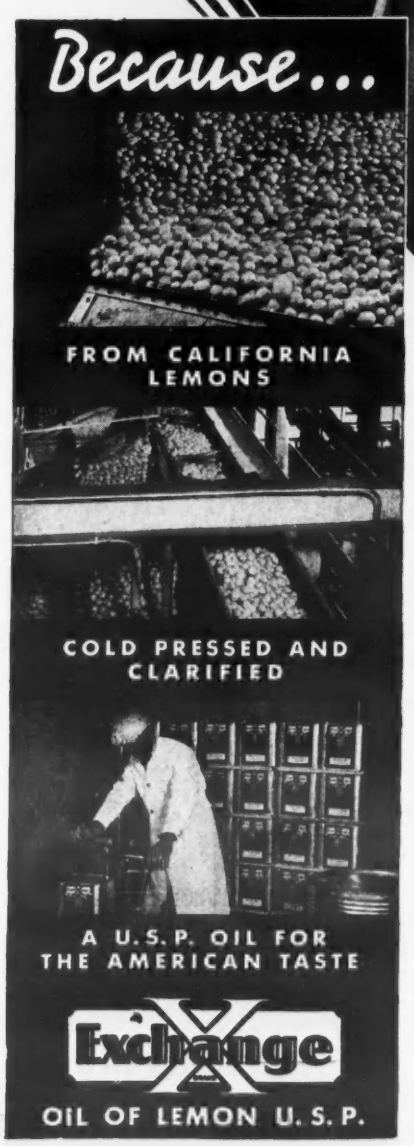
as all other Lemon Oils Combined!



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Oil, Cubeb—Oil, Sweet Birch

Oil, cubeb, USP, cns.....lb. 2.50 - 2.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 6.75 - 7.00
Cypress, dom., bots.....lb. 5.25 - 5.30
import, cns.....lb.12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 1.75 - —
California, 24 plus, bulk..bbl. 1.55 - —
Dill seed, bots.....lb. 3.00 - 3.25
weed, bots.....lb. 3.85 - 4.10
Dip (see D).
Erigeron, cns.....lb. 2.40 - 2.55
Eucalyptus, cns.....lb. .35 - .37
dms. .....lb. .33 - .35
Fennel, sweet, cns.....lb. 1.10 - 1.15
Fuel, bunker, California, tide-water..bbl. .90 - —
Gulf Coast.....bbl. .85 - .90
Louisiana, Arkansas, 10-14, bbl. .85 - 1.00
N. Y. and N. J. terminals:—
Monday .....bbl. .95 - —
Tuesday .....bbl. .95 - —
Wednesday .....bbl. .95 - —
Thursday .....bbl. .95 - —
Friday .....bbl. .95 - —
Saturday .....bbl. .95 - —
North Texas, 18-22.....bbl. .80 - .85
24-28, zero cold test.....bbl. 1.10 - 1.15
Oklahoma, 18-22.....bbl. .85 - .90
24-28, zero cold test.....bbl. 1.07½- 1.12½
24-28, 15 and above.....bbl. .90 - .95
Pennsylvania, 36-40.....gal. .04 - .04½
Furnace, Bayonne, 1, bulk, refinery..gal. .06 - —
2, bulk, same basis.....gal. .04½- —
4, bulk, same basis.....gal. .04⅝- —
Louisiana - Arkansas, 32 - 36, light straw..gal. .03⅞- .04
Oklahoma, 28-30.....gal. .03¼- .03½
32-36 .....gal. .03½- .03⅝
36-38 .....gal. .03⅝- .03⅞
38-40, straw.....gal. .03¾- .04
38-40 zero, 60 e.p.....gal. .03⅞- .04
Fusel (see F).

Oil, gas, Bayonne, bulk.....gal. .04¾- —
Gulf Coast, bulk.....gal. .04½- .04¾
North Texas, bulk.....gal. .02⅞- .03
Oklahoma, bulk.....gal. .02⅝- .03
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns.lb. 3.25 - 4.50
Bourbon, cns.....lb. 2.65 - 3.00
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 2.15 - 2.20
Grapeseed, dms.....lb. .40 - .60
Ginger, dist., bots.....lb. 5.75 - 6.00
Guaiac wood, concrete, bots.lb. 2.75 - 3.10
Haarlem, import., bots....gross 3.25 - 3.35
Halibut-liver, dms.....
1,000 A unit gal. .75 - 1.00
Hemlock, cns.....lb. .75 - 1.00
Juniper berry, USP, cns.....lb. 1.10 - 1.30
Wood, tech., cns.....lb. .45 - —
Juniper tar, USP XI, 1,000 lb. dms..lb. .39 - .40
cns. .....lb. .44 - .45
Lard, common, 1, bbls.....lb. .08½- —
2, bbls.....lb. .08¼- —
extra, bbls.....lb. .09 - —
1, bbls.....lb. .08¾- —
winter, strained, extra, bbls., lb. .09¼- —
prime burning, bbls.....lb. .10 - —
prime, ed., bbls.....lb. .11½- —
ined., bbls.....lb. .09¼- —
Laurel, bots.....lb. 6.25 - 6.50
Lavandin, cns., 25 lbs.....lb. 2.00 - 2.05
Lavender flower, French, 50% ester, cns..lb. 4.75 - 5.00
38-42% ester, cns.....lb. 3.25 - 4.25
33-38% ester, cns.....lb. 2.75 - 3.00
30-32% ester, cns.....lb. 2.00 - 2.25
garden, cns. .....lb. .42 - .45
spike, Spanish, tech., cns..lb. 1.05 - 1.10
dms. .....lb. .95 - 1.10
Lemon, Calif., cns.....lb. 2.50 - —
Messina, coppers, cns.....lb. 3.15 - 4.00
Lemongrass, native, cns., dms., lb. .38 - .40
Lime, dist., cns.....lb. 4.25 - 4.75
expressed, cns.....lb. 7.50 - 8.50

Oil, linaloe wood, cns.....lb. 1.25 - 1.30
Linseed, boiled, bbls., c.l....lb. .0850- .0880
l.c.l., 5 or more.....lb. .0890- .0920
less than 5.....lb. .0930- .0960
tanks .....lb. .0790- .0820
double boiled, bbls., less than 5 lbs..lb. .0950- .0980
raw, bbls., c.l.....lb. .0810- .0840
l.c.l., 5 or more.....lb. .0850- .0880
less than 5.....lb. .0890- .0920
tanks .....lb. .0750- .0780
Lovage, bots.....lb.41.25 -60.00
Lubricating, at refinery (including U.S. tax 4c. per gal.):—
California, green, 70, 80, 100, vis., dms..gal. .20 - —
140 vis., dms.....gal. .25 - —
green, pale, 750, 900 vis., dms..gal. .26 - —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis., dms..gal. .26 - —
Oklahoma, bright stocks, 100-110 D, color 4, 0-10 pour, tanks..gal. .18½- —
15-25 pour, tanks.gal. .17½- —
150-160 D, color, 4½, 0-10 pour, tanks..gal. .20 - —
15-25 pour, tanks.gal. .19 - —
150-160 E, color 5½, 15-25 pour, tanks..gal. .18½- —
190-200 D, color 4½, 15-25 pour, tanks..gal. .23 - —
200-210 E. 15-25 pour, tanks..gal. .22 - —
neutrals, 0-10 pour, 150 vis., 3 color, tanks... gal. .13 - —
180 vis., 3 color, tanks, gal. .14 - —
4 color, tanks....gal. .13½- —
300 vis., 3 color, tanks, gal. .14½- —
4 color, tanks....gal. .14 - —
250 vis., 3 color, tanks, gal. .15½- —
4 color, tanks....gal. .15 - —

Oil, lubricating, at rfy., Okla., neutrals, 280 vis., 3 color, tanks..gal. .16½- —
4 color, tanks....gal. .16 - —
300 vis., 3½ color, tanks, gal. .17 - —
350 vis., same basis.gal. .17½- —
400 vis., same basis.gal. .18 - —
500 vis., same basis.gal. .18½- —
600 vis., same basis.gal. .19 - —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.
Penn., bright, 600 cold test, 10-15 pour, tanks..gal. .18 - —
cylinder, 600 fire, tanks, gal. .11½- —
600 flash, tanks.....gal. .14 - —
630 flash, tanks.....gal. .17 - —
635 fire, tanks.....gal. .12½- —
650 fire, tanks.....gal. .13½- —
Warren, E, amber, tanks, gal. .16 - —
neutral, 150 vis., 3 color, tanks..gal. .18 - —
180 vis., 3 color,tanks..gal. .18½- —
200 vis., 2 color,tanks..gal. .19 - —
spot, Penna., bright, bbls., c.l., f.a.s..gal. .27 - .28
unfiltered, 600 s.r....bbls., f.a.s..gal. .21 - —
600 flash, s.r., bbls., c.l., gal. .23½- —
630 s.r., bbls., c.l., f.a.s. gal. .25 - —
Warren, E, bbls., c.l., f.a.s. gal. .24½- —
smaller lots, f.o.b..gal. .28½- —
Mace, dist., cns., dms.....lb. 1.20 - 1.25
Mandarin, superior, coppers..lb. 6.00 - 7.50
Menhaden, crude, tanks, f.o.b. Balto..gal. .30 - —
refd., alkali, dms.....lb. .0750- .0770
tanks .....lb. .0690- —
blown, dms.....lb. .0750- .0770
kettle-bodied, dms.....lb. .0840- .0860
light, pressed, dms.....lb. .0690- .0710
tanks .....lb. .0630- —
Mineral, white (see Oil- white mineral).
Mustard, artif., USP, cns....lb. 1.65 - 1.70
dist., natural, bots.....lb. 8.50 - 9.00
expressed, bbls.....gal. .65½- .70
Neatsfoot, 20° cold test, bbls., lb. .15¼- —
extra, bbls.....lb. .09¼- —
1, bbls.....lb. .09 - —
pure, bbls.....lb. .11¾- —
prime, bbls. .....lb. .09¼- —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots.....lb.115.00- 140.00
Nutmeg, USP, cns., dms....lb. 1.20 - 1.25
Oiticica, dms. .....lb. .10¾- .11
Oleo, 1, bbls. .....lb. .09¾- —
2 bbls.....lb. .09¼- —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., bbls.....gal. .94 - .98
edible, bbls.....gal. 1.75 - 2.00
foots, bbls.....lb. .07⅜- .07¾
sulphonated, 50% (43% fat), dms., c.l..lb. .11½- .12
l.c.l. .....lb. .12½- .13
75% (63% fat), dms., c.l..lb. .13½- .14
l.c.l. .....lb. .14½- .15
80% (68% fat), dms., c.l..lb. .14½- .15
l.c.l. .....lb. .15½- .16
Orange sweet, dist., cs.....lb. .50 - —
expressed, African, cns., dms..lb. .80 - .85
Calif., cns. .....lb. .70 - .75
Messina, USP, coppers.lb. 2.25 - 3.25
West India, cns.....lb. 1.90 - 2.00
Origanum, Spanish, cns.....lb. .90 - 1.60
Orris, Florentine, concrete, extra strong bots..oz. 5.25 - 5.50
Palm, Niger, dms.....lb. .0360- .0370
shipment .....lb. .0290- —
softs, 12½%, bulk, shipt....lb. .0290- —
20%, bulk, shipt.....lb. .0280- —
Sumatra, shipt., bulk.....lb. .0300 Nom.
Palmarosa, cns. .....lb. 2.00 - 2.25
Palmkernel, bulk, shipt.....lb. .0365 Nom.
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .05¼- —
330° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —
Patchouli, bots., cns.....lb. 3.75 - 8.00
Peanut, crude, dom., tanks..lb. .07¼ Nom.
refd., edible, bbls.....lb. .10½- .10¾
Pennyroyal, dom., cns.....lb. 1.40 - 1.45
import, cns. .....lb. 1.35 - 1.40
Peppermint, natural, cns., dms., lb. 2.20 - 2.45
redist., USP, cns., dms....lb. 2.30 - 2.65
Perilla, dms. .....lb. .10½- .10¾
tanks .....lb. .0980- .1000
Petitgrain, Paraguay, cns....lb. .90 - 1.00
Pimento berry, cns.....lb. 3.65 - 7.50
leaf, cns. .....lb. 2.30 - 2.40
Pine, dest.-dist., straw-color, dms., dlvd., E. ports...gal. .52 - .55
steam-dist., dms.....gal. .59 - —
tanks .....gal. .54 - —
Pineneedle, Siberian, cns.....lb. .95 - 1.00
Putty, bbls., El Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Bost., Provid..gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
Rapeseed, blown, bbls.....lb. .14 - .14½
denat., bbls.....gal. .75 - .80
Red, dist. or saponif., bbls., dlvd..lb. .08¾ Nom.
dms., dlvd.....lb. .08¼ Nom.
tanks, dlvd.....lb. .07½ Nom.
white, dms.....lb. .11¼ Nom.
Rose, artif., bots.....oz. 2.00 - 8.00
natural, coppers.....oz. 5.25 -22.50
Rosemary, Spanish, cns.....lb. .56 - .75
dms. .....lb. .51 - .70
Rosin, 1st rectfd., dms.....gal. .45 - —
2d rectfd., dms.....gal. .47 - —
3d rectfd., dms.....gal. .51 - —
Rue, bots.....lb. 2.15 - 2.20
Sage, cns. .....lb. 1.30 -3.00
Sandalwood, E.I., USP, cns..lb. 4.75 - 4.80
Sardine, crude, tanks, Pac. Cst. gal. .28½- —
refd., alkali, dms.....lb. .0750- .0770
tanks .....lb. .0690- —
kettle-bodied, dms.....lb. .0840- .0860
light, pressed, dms.....lb. .0690- .0770
tanks .....lb. .0630- —
Sassafras, artif., cns.....lb. .36 - .37
dms. .....lb. .34 - .35
natural, cns., dms.....lb. 1.00 - 1.05
Savin, cns.....lb. 1.65 - 1.70
Savory, cns.....lb. 2.00 - 2.25
Sesame, refd., dms.....lb. .10½ Nom.
Shingle stain, bbls., c.l., wks. gal. .18 - —
l.c.l., works.....gal. .21 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns .....lb. 9.50 -10.00
Soybean, dom., crude, dms..lb. .0650- .0700
tanks .....lb. .0574- —
refd., dms .....lb. .0767½- .0725
tanks .....lb. .0685- —
Spearmint, USP, cns.....lb. 1.70 - 1.75
Sperm, bleach, 38°, dms.....lb. .1000- .1020
45°, dms.....lb. .0950- .0950
natural, dms.....lb. .0880- .0900
Spruce, cns., dms.....lb. .75 - 1.00
Sweet, birch, North, cns....lb. 2.25 - 3.50
South, cns.....lb. 1.65 - 2.00

America's "No.1"

OIL OF ORANGE

Compare this orange oil with any high grade oil and you will know why Exchange *Cold Pressed* Oil of Orange, U. S. P. is in such great demand. Ask our jobbers for sample and compare quality and price.

Exchange X BRAND

COLD PRESSED, U. S. P.

Sold to the American market exclusively through:

DODGE & OLCOTT COMPANY
180 VARICK STREET, NEW YORK CITY

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FRITZSCHE BROTHERS, INC.
76 NINTH AVENUE, NEW YORK CITY

Distributors for: California Fruit Growers Exchange, Products Department, Ontario, California
Producing Plant: The Exchange Orange Products Company, Ontario, California

Copr. 1938, Products Dept., California Fruit Growers Exchange

Oil, tall, crude, dms., c.l., works, ton 45.00 - —
l.c.l., works ton 50.00 -65.00
tanks, works ton 35.00 - —
refined, dms., c.l., works lb. .05½- —
l.c.l., works lb. .06 - —
tanks, works lb. .05 - —
Tallow, acidless, bbls lb. .08½- —
tanks lb. .08 - —
Tansy, cns lb. 5.50 - 5.75
Tar, comi, dms., c.l., divd., E. cities gal. .26 - —
E. ports gal. .25 - —
l.c.l. gal. .26 - —
tanks, divd. E. cities gal. .20 - —
rectfd., USP, bbls., divd., E. ports gal. .50 - —
Tar acid (see T).
Teaseed, crude, dms lb. .07½- .07¾
Tea Tree (see Oil, ti tree).
Thyme, NF, red, dms lb. .85 - 1.25
white, dms. lb. .85 - 1.45
Ti tree, cns lb. 3.10 - 3.50
Tung (see Oil, chinawood).
Turkey red (see Oil, castor, sulphonated).
Turpentine (see T).
Turtle, cns. gal. 4.25 - 5.00
Valerian, bots. lb. 8.00 - 8.25
Vetiver, bots. lb. 4.35 -16.50
Walnut, crude, dms lb. .13 - .13½
refd., dms. lb. .14 - .14½
Whale, refd., natural, dms lb. .0770- .0790
winter, bleach, dms lb. .0810- .0830
Wheat germ, phar., cns., dms. gal. 22.50 -30.00
feedstuff, cns., dms gal. 17.50 -25.00
White, mineral, doms., tech.,
50-60 vis., dms gal. .42 - —
65-75 vis., dms gal. .44 - —
80-90 vis., dms gal. .45 - —
USP, 80-90 vis., dms gal. .49 - —
95-105 vis., dms gal. .57 - —
125-135 vis., dms gal. .64½- —
140-150 vis., dms gal. .68 - —
175-185 vis., dms gal. .72½- —
200-210 vis., dms gal. .74½- —
320-330 vis., dms gal. .80½- —
335-345 vis., dms gal. .82 - —
Russian, 80-90 vis., dms gal. .49 - —
145-155 vis., dms gal. .68 - —
175-185 vis., dms gal. .72½- —
235-345 vis., dms gal. .82 - —
Wintergreen, natural, North, cns lb. 4.00 - 8.00
South, cns lb. 3.05 - 3.75
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns lb. 2.60 - 2.65
Wormwood, cns lb. 2.75 - 3.25
Ylang-ylang, Bourb., bots., cns., lb. 3.50 - 6.00
Manila, bots. lb. 18.00 -24.00
Olivine, aggregate, c.l., mines, ton. 5.00 - 8.00
Lumps, same basis ton. 7.00 - —
Spalls, same basis ton. 5.00 - —
Ground, 200 mesh, c.l., mines, ton. 15.00 - —
20 mesh to dust ton. 10.00 - —
Opium, USP, cns lb. 11.50 -12.50
gran., cns. lb. 12.50 -13.50
powd., cns. lb. 12.50 -13.50
Orange, Lake, Persian, bbls lb. .30 - .45
Mineral, Amer., bbls., 5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash. lb. .10½- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. lb. .11 - —
Colo., Mont., N. M., Wyo. lb. .10¾- —
Other points lb. .10¾- —
smaller lots, divd., Ala., etc. lb. .11 - —
Ariz., etc. lb. .11½- —
Colo., Mont., N. M., Wyo. lb. .11¼- —
Other points lb. .10¾- —
French, Tours, csks. ex dock. lb. .13½- —
kgs., ex dock lb. .14½- —
Molybdate, bbls lb. .31 - —
Toner, bbls. lb. .80 - —
Orangeflower petals, cs lb. .33 - .35
Orange peel, bitter, bls lb. .08 - .09
sweet, bls lb. .09 - .10
Orris root, Florentine, bgs lb. .10 - .11
fingers, cs lb. .90 - .95
powd., bbls., bxs lb. .12 - .13
Verona, bls lb. .09 - .10
powd., bxs., cs lb. .12 - .13
Orthoanisidin, bbls lb. .70 - .74
Orthochloroanilin, dms lb. .60 - .75
Orthochlorophenol, dms lb. .32 - —
Orthocresol, dms., c.l., works lb. .16½- —
l.c.l., same basis lb. .17½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies lb. .06 - —
l.c.l., same basis lb. .07 - —
100-lb. tins, same basis lb. .08 - —
50-lb. tins, same basis lb. .09 - —
tanks, same basis lb. .05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroanilin, dms lb. .55 - —
Orthonitrochlorobenzene, dms lb. .15 - .18
Orthonitroparachlorophenol, cns lb. .75 - —
Orthonitrotoluene, dms lb. .08 - —
Orthotoluenehydrochloride, dms lb. .22 - —
Orthotoluene sulphonate, kgs lb. 2.00 - 2.05
Orthotoluidin, dms lb. .16 - —
Osage orange extract, cryst., bbls., lb. .19 - —
liquid, 42°, bbls lb. .08 - —
51°, bbls lb. .09 - —
Oxyquinolin sulphate, cns., 100-lbs., works lb. 3.50 - —
bots., cns., 1-50 lbs lb. 3.65 - 4.00

P

Papain, powd., cs lb. 1.25 - 1.30
Paprika, Hungarian, extra fancy, bgs. lb. .27½- .28
medium, bgs lb. .27 - .28
Spanish, extra fancy, cs lb. .30 - .31
fair, bgs lb. .25½- .26
fancy, bgs lb. .30 Nom.
medium, bgs lb. .28 Nom.
Para-aminoacetanilide, kgs. lb. .85 Nom
Parachlorophenol, dms. lb. .45 - —
Paracymene, refd., dms gal. .75 - 1.25
Paradichlorobenzene, dms., c.l. lb. .11 - .12
l.c.l. lb. .12½- .15¼
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy. lb. .02¼- —
bbls., c.l., N. Y. lb. .0240- —
124-126 A.m.p., bgs., c.l., Okla., refy. lb. .02¼- —
bbls., c.l., N. Y. lb. .0235- —
yellow, 124-126 A.m.p., bbls., c.l., N. Y. lb. .02¼ Nom.
fully refd., slabs, 123-125 A.m.p., bgs., c.l. lb. .03¾- —
loose, c.l. lb. .0355- —
125-127 A.m.p., bgs., c.l. lb. .0390- —
loose, c.l. lb. .0370- —
128-130 A.m.p., bgs. or loose, c.l. lb. .04 - —
131-133 A.m.p., bgs. or loose, c.l. lb. .0435- —
133-135 A.m.p., bgs. or loose, c.l. lb. .0465- —

Paraffin, fully rfd., slabs, 135-137 A.m.p., bgs. or loose, c.l. lb. .0490- —
138-140 A.m.p., bgs. or loose, c.l. lb. .0565- —
143-145 A.m.p., bgs. or loose, c.l. lb. .0660- —
151-153 A.m.p., bgs. or loose, c.l. lb. .08½- —
refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is .05c. lower.
match, A.m.p. up to and incl. 110-112 bbls., c.l. lb. .02½- .02⅝
semirfd., solid, 122-124 A.m.p., bgs. lb. .02¼ Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C. lb. .34 - —
100 to 900 lbs. shipments, same basis lb. .35 - —
Paraldehyde, tech., 99%, 55 and 100 gal. dms., divd. lb. .16 - —
5 and 10 gal. dms., divd., lb. .17 - —
USP, cs., cbys lb. .37 - .45
Paranitroanilin, kgs., works lb. .47 - —
Paranitrochlorobenzene, kgs lb. .15 - —
Paranitrophenol, kgs lb. .35 - —
Paranitrotoluene, kgs lb. .35 - —
Paraphenylenediamine, bbls lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls lb. .70 - —
Paratoluidin, bbls lb. .66 - —
Pareira brava root, bls lb. .15 - .18
Paris green, dealer, dms., bbls., c.l., f.o.b. works frt. alld., lb. .23 - .25
less car lot, same basis lb. .24 - .26
Passion flower herb, bls lb. .07 - .07½
Patchouli leaves, bls lb. .18 - .20
Pellitory root, bls lb. .16 - .17
Pennyroyal herb, bls lb. .07 - .08
leaves, bls lb. .14 - .15
Pentanes norm., 28-38°, dms., c.l., G.3. gal. .11½- —
l.c.l., G.3 gal. .16 - —
tanks, G.3 gal. .08½- —
Pentanes, laboratory grade, dms., c.l., G.3. gal. .14 - —
l.c.l., G.3 gal. .25 - —
Pepper, black, Alleppy, bgs lb. .08 - .08¼
Lampong, bgs lb. .04⅞- .05⅛
Tellicherry, bgs. lb. .08⅝- .09
Red, chillies, Japan, 1, bgs. lb. .20 - .20½
Mombassa, bgs lb. .21 Nom.
White, Java, Muntok, bgs. lb. .08 - .08½
Saigon, bgs. lb. .07¾- .08
Peppermint leaves, dom., bls lb. .25 - .27
import, bls lb. .45 - .48
Peru, balsam, dms lb. .65 - .70
Petrolatum, amber, bbls., c.l. lb. .02⅝- .02¾
l.c.l. lb. .03⅛- .03⅜
extra, bbls lb. .02⅞- .03
l.c.l. lb. .03⅜- .04⅛
cream (see white, cream).
green (see red).
red, veterinary, bbls., c.l. lb. .02½- —
white, cream, bbls., c.l. lb. .04¼- —
l.c.l. lb. .05¾- .06⅛
lily, bbls., c.l. lb. .05¼- —
l.c.l. lb. .06¾- .07⅛
snow, bbls., c.l. lb. .06¼- —
l.c.l. lb. .07¾- .08⅛

Petroleum, crude, bulk, at wells:—
California:—
Alamitos Heights bbl. .74 - .95
Athens bbl. .84 - 1.66
Beiridge bbl. .70 - 1.32
Buena Vista Hills bbl. .70 - 1.38
Canal-Greely bbl. .91 - 1.68
Coalinga bbl. .70 - .90
Coyote Hills (West) bbl. .78 - 1.32
Dominguez bbl. .79 - 1.00
East Coyote bbl. .76 - .96
Elk Hills bbl. .70 - 1.38
Elwood Terrace, f.o.b. ship., bbl. 1.28 - 1.43
El Segundo bbl. .80 - 1.21
Huntington Beach bbl. .78 - 1.22
Inglewood bbl. .79 - 1.27
Kern Front bbl. .70 - —
Kern River bbl. .70 - —
Kettleman Hills bbl. 1.19 - 1.43
La Habra bbl. .76 - .96
Lakeview bbl. .70 - 1.36

Oil, Tall—Petroleum

Petroleum, crude, bulk, at wells:—
California (cont.):—
Lost Hills bbl. .70 - 1.18
McKittrick bbl. .70 - —
Midway - Sunset (except Lakeview) bbl. .70 - 1.38
Montebello bbl. .77 - 1.43
Mt. Poso bbl. .70 - —
Mountain View bbl. .70 - 1.20
Newhall bbl. .70 - —
Orcutt bbl. .70 - .96
Olinda Brea bbl. .76 - 1.27
Playa del Rey, f.o.b. pipeline bbl. .80 - 1.16
Richfield bbl. .76 - 1.09
Rosecrans bbl. .84 - 1.66
Round Mt. bbl. .70 - —
Santa Fe Springs bbl. .78 - 1.42
Santa Paula bbl. .70 - 1.01
Seal Beach bbl. .79 - 1.19
Signal Hill bbl. .80 - 1.21
Torrence bbl. .80 - 1.05
Wheeler Ridge bbl. .70 - .83
Whittier bbl. .76 - .96
Wilmington bbl. .75 - 1.21
Canada:—
Oil Springs bbl. 2.17 - —
Petrolia bbl. 2.10 - —
Central West:—
Illinois bbl. 1.35 - —
Lima bbl. 1.25 - —
Midland (Mich.) bbl. 1.12 - —
Princeton bbl. 1.35 - —
East Texas bbl. 1.20 - 1.35
Gulf Coast:—
Barber's Hill bbl. .95 - 1.41
Batson bbl. .95 - 1.41
Dayton bbl. .95 - 1.41
Esperson bbl. .95 - 1.41
Goose Creek bbl. .95 - 1.41
Hull bbl. .95 - 1.41
Humble bbl. .90 - 1.41
Liberty bbl. .90 - 1.41
Markham bbl. .90 - 1.29
Orange bbl. .95 - 1.41
Pettus bbl. 1.37 - —
Pierce Junction bbl. .95 - 1.41

Low Evaporation Losses

One of Skellysolve's 5 Advantages As A Lacquer Diluent

by **A. ERNEST MACGEE**

Manager Skellysolve Division, Skelly Oil Company

In developing Skellysolve to fit the exact requirements of our friends in the paint, varnish and lacquer industries, we've given particular attention to your five major solvent problems. One was the problem of evaporation loss, important to you because it wasted your money, created a fire hazard and produced a tendency to blush. And we found that through close cutting of fractions we reduced evaporation losses to a minimum, gave Skellysolve a big advantage as a lacquer diluent.

Through that same close cutting we've been able to solve two other problems, to give Skellysolve other advantages I know you'll find equally valuable. *Freedom from greasy residues,* for instance. Drying is complete and rapid, with minimum gum formation. And *close boiling ranges*—some as low as 15° F. from initial to dry flask end point—that are constant in storage or formulas, with minimum tendency to fractionate.

Besides these three advantages resulting from close cutting, Skellysolve offers *constant uniformity* shipment after shipment, saves you the expense and trouble of changing formulas. And *uninterrupted supply,* that assures you of prompt deliveries, protects you against costly delays or actual shutdowns.

As you know, Skelly pioneered in the development of dependable, uniform, special naphthas. So you'll probably find the exact solvent you need in the wide Skellysolve line. Whatever your requirements, in type and price, I'm sure it will pay you to give us a call.

Skelly pioneered in the development of special petroleum solvents. Today Skelly still pioneers in close cuts, uniformity, rigid quality-control.

SKELLY

SKELLYSOLVE

SOLVENTS DIVISION, Skelly Oil Co., 121 W. Wacker Drive, Chicago

Wire or write for information or prices without delay.

Petroleum—Red Cadmium

Petroleum, crude, bulk, at wells:—
Gulf Coast:—
Refugio (incl. Greta, Taft, Saxet)..bbl. 1.01 - 1.17
Saratoga .....bbl. .95 - 1.41
Sour Lake.....bbl. .90 - 1.41
Spindle Top.....bbl. .95 - 1.41
Sugarland .....bbl. .95 - 1.41
West Columbia.....bbl. .95 - 1.41
Kentucky, Tennessee:—
Big Sandy river.....bbl. 1.42 - —
Kentucky river.....bbl. 1.50 - —
Western Kentucky (Owensboro)..bbl. 1.30 - -
Louisiana, Arkansas:—
Bull Bayou.....bbl. .90 - 1.22
Caddo .....bbl. .90 - 1.22
Cameron Meadows....bbl. .90 - 1.30
Choctaw .....bbl. .90 - 1.30
Cotton Valley.....bbl. .90 - 1.22
Darrow .....bbl. .90 - 1.30
De Soto.....bbl. .90 - 1.22
El Dorado.....bbl. .90 - 1.22
Haynesville .....bbl. .90 - 1.22
Homer .....bbl. .90 - 1.22
Iowa .....bbl. .90 - 1.30
Lockport .....bbl. .90 - 1.30
Miller County.....bbl. .90 - 1.22
Pine Island.....bbl. .90 - 1.22
Rainbow .....bbl. .90 - 1.22
Rodessa.....bbl. .90 - 1.22
Smackover .....bbl. .90 - —
Tepetate .....bbl. 1.24 - —
Urania .....bbl. 1.02 - —
Mexico, f.o.b. terminals Mexican ports—based on contract:—
Panuco .....bbl. No prices
Tax, 14.489c. per bbl.
Tuxpan .....bbl. No prices
Tax, 23.529c. per bbl.
Midcontinent:—
North Texas.....bbl. .96 - 1.20
Oklahoma-Kansas .....bbl. .93 - .130
Altus, Tipton (Okla.), bbl. .96 - 1.20
Pennsylvania, Ohio West Virginia:—
Bradford-Allegany ....bbl. 1.80 - —
Corning .....bbl. 1.17 - —
Pennsylvania grade, in Buckeye lines..bbl. 1.30 - —
Eureka lines.....bbl. 1.40 - —
N. Y. Transit lines..bbl. 1.80 - —
S. W. Penn. lines..bbl. 1.46 - —
lower district in National Transit lines..bbl. 1.68 - 1.73
Rocky Mountain:—
Big Muddy.....bbl. 1.18 - 1.23
Canon City-Florence...bbl. 1.10 - —
Cat Creek.....bbl. 1.40 - —
Dutton Creek.....bbl. 1.06 - 1.30
Elk Basin.....bbl. 1.05 - —
Fort Collins-Wellington, bbl. 1.01 - 1.26
Frannie, light.....bbl. .65 - —
Grass Creek, light.....bbl. 1.05 - —
Greybull .....bbl. 1.30 - —
Iles .....bbl. 1.12 - 1.18
Lance Creek.....bbl. .97 - —
Lander .....bbl. .51¼- —
Midway .....bbl. 1.00 - 1.30
Rock Creek.....bbl. 1.20½- —
Salt Creek.....bbl. 1.06 - 1.30
Sunburst .....bbl. 1.20 - —
Torchlight .....bbl. 1.30 - —
South, Central and Southwestern Texas:—
Cass County .....bbl. .98 - 1.25
Cleveland-Liberty .....bbl. 1.27 - —
Conroe .....bbl. 1.20 - 1.44
Darst Creek.....bbl. 1.09 - —
Hardin-Liberty .....bbl. 1.15 - —
Luling .....bbl. 1.00 - —
Lytton Springs.....bbl. 1.12 - —
Mirando (incl. Duval).... bbl. .96 - 1.30
Panola County.....bbl. .93 - 1.25
Salt Flat.....bbl. 1.09 - —
Tomball .....bbl. 1.20 - 1.44
West Beaumont.....bbl. .95 - 1.29
Van .....bbl. 1.10 - —
Texas Panhandle:—
Carson-Hutchinson counties, bbl. .91 - 1.08
Gray County.....bbl. .96 - 1.08
West Texas:—
Artesia, N. M.....bbl. .90 - —
Crane .....bbl. .78 - 1.08
Crockett .....bbl. .78 - 1.08
Ector .....bbl. .78 - 1.08
Eddy (N. M.) .....bbl. .90 - —
Hogback .....bbl. 1.33 - —
Howard .....bbl. .78 - 1.08
Jackson, N. M. .....bbl. .90 - —
Lea, N. M. .....bbl. .78 - 1.08
Marjamar, N. M. .....bbl. .90 - —
Mitchell .....bbl. .78 - 1.08
Pecos .....bbl. .91 - —
Upton .....bbl. .78 - 1.08
Winkler .....bbl. .78 - 1.08
Ether, 30-60°, dms., c.l., G. 3, gal. .14 - —
l.c.l., G. 3..... .....gal. .25 - —
tanks, G.3 .....gal. .13 - —
35-60° dms., l.c.l., G.3....gal. .30 - —
40-75°, dms., c.l., G.3....gal. .14 - —
l.c.l., G.3.....gal. .25 - —
tanks, G.3.....gal. .13 - —
laboratory grade, dms., c.l., G.3..gal. .14 - —
c.l., G.3.....gal. .25 - —
10-gal. lots, G.3.....gal. .50 - —
Lacquer, diluent, at refinery:—
California, 100 l.b.p., 200 e.p., tanks, delvd. Los Angeles..gal. .11 - —
San Francisco..gal. .11½- —
f.o.b. Richmond.....gal. .11 - —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
East Coast, tanks.....gal. .12 - .12½
Group 3, tanks.....gal. .07⅝- .07⅝
Naphtha, cleaners', at refinery:—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .06⅜- .06⅝
tankwagon, Boston, ex tax, gal. .13 - —
Bridgeport .....gal. .13½- —
Chicago, inc. 4c. tax..gal. .17½- —
Decatur, inc. 4c. tax..gal. .194 - —
Des Moines, inc. 4c. tax.gal. .192 - —
Evansville, inc. ex tax.gal. .14½- .15½
Milwaukee, inc. 5c. tax, gal. .206 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .208 - —
Newark, ex tax.....gal. .12 - —
New York, ex tax.....gal. .12 - —
Omaha, ex tax.....gal. .144 - .154
Oklahoma City, ex tax.gal. .16 - —
Philadelphia, ex tax...gal. .11½- —
St. Louis, inc. 1c. tax.gal. .15 - —
Syracuse, 150 gals.....gal. .14 - —
smaller lots, galv. drums, gal. .16 - —
high-solvency aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway.....gal. .16 - —
2, over 90% arom., same basis..gal. .18 - —
3, tanks, f.o.b. Bayway..gal. .18 - —
6, tanks, f.o.b. Paulsboro, N. J..gal. .14 - —
30, same basis.....gal. .16 - —
40, same basis.....gal. .14½- —
V. m. & p., at refinery:—
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond..gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —

Petroleum, naphtha, v. m. & p. at rfg., California, 54-57, 190 i.b.p., 310 e.p. tanks, dlvd. Los Angeles..gal. .10 - —
San Francisco..gal. .10½- —
Portland, Seattle..gal. .11 - —
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .06⅜- .06⅝
tankwagon, Boston, ex tax gal. .13 - .14
Chicago, inc. 4c. tax..gal. .16½- —
Decatur, inc. 4c. tax..gal. .194 - —
Des Moines, inc. 4c. tax.gal. .192 - —
Evansville, Ind., ex tax.gal. .147 - .157
Milwaukee, inc. 5c. tax.gal. .206 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .208 - —
Newark, ex tax.....gal. .12½- —
New York, ex tax.....gal. .11 - —
Omaha, ex tax.....gal. .144 - .154
Philadelphia, ex tax...gal. .12½- —
St. Louis, inc. 1c. tax.gal. .16 - —
Solvent, rubber, at refinery, East Coast, tanks..gal. .09½- .10
Group 3, light, 120 i.b.p., 250 e.p., tanks...gal. .06⅜- .06⅝
standard, 180 i.b.p., 288 e.p., tanks..gal. .06⅜- .06⅝
Stoddard (CS 3-38), at refinery:—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .05⅞- .06½
tankwagon, Boston, ex tax, gal. .12½- .13½
Chicago, inc. 4c. tax..gal. .159 - —
Decatur, inc. 4c. tax..gal. .184 - —
Des Moines, inc. 4c. tax.gal. .182 - —
Evansville, Ind., ex tax.gal. .135 - .145
Milwaukee, inc. 5c. tax.gal. .196 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .177 - —
Newark, ex tax.....gal. .09½- .11½
New Orleans, ex tax..gal. .11 - —
New York, ex tax.....gal. .09½- .11⅛
Omaha .....gal. .131 - .14
Philadelphia, ex tax...gal. .10½- .12½
St. Louis, inc. 1c. tax.gal. .139 - —
Tulsa, ex tax .....gal. .10 - .11
Thinner, at refinery:—
California, 34, 325 i.b.p., 390 e.p., low anilin, 6,000 gal. tanks or transport trucks f.o.b. Los Angeles..gal. .15 - —
Portland, Ore.....gal. .16 - —
Richmond .....gal. .14½- —
Seattle, Wash....gal. .16½- —
44, 311 i.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore., gal. .10¼- —
Richmond .....gal. .10 - —
Southern Calif....gal. .09½- —
56, 200 i.b.p., 300 e.p., tanks, f. o. b. El Segundo..gal. .11 - —
Portland, Ore.....gal. .12 - —
Richmond .....gal. .11½- —
Seattle, Wash....gal. .12 - —
East Coast, 43-47, tanks..gal. .09½- .10
47-49, tanks.....gal. .09½- .10
New Jersey, tanks...gal. .09 - —
Group 3, tanks.....gal. .05⅝- .05⅝
tankwagon, tax included:—
Albany .....gal. .13 - —
Baltimore (100 gals.)..gal. .12½- .15½
25-99 gals. .....gal. .13½- .16½
Boston .....gal. .12½- .13½
Bound Brook, North Amboy, N. J..gal. .11½- .13½
Bridgeport, Conn.....gal. .11½- —
Buffalo .....gal. .12½- —
Camden, N. J.....gal. .10 - .12
Chicago .....gal. .162 - —
Decatur, Ill.....gal. .184 - —
Des Moines.....gal. .182 - —
Evansville, Ind. .....gal. .137 - .147
Milwaukee .....gal. .196 - —
Minneapolis-St. Paul...gal. .198 - —
Newark .....gal. .09½- —
New York (200 gals.)..gal. .09½- .11
Omaha .....gal. .131 - .141
Philadelphia .....gal. .10 - —
Pittsburgh .....gal. .12 - .14
Providence .....gal. .12½- .13½
Rochester .....gal. .12 - —
St. Louis.....gal. .15 - —
Syracuse .....gal. .14 - —
Trenton .....gal. .11½- .14
Wilmington, Del. ....gal. .11½- .13½
Phenobarbital, bots., 5 lbs....lb. 4.35 - —
bots. or cns., spot or contract, 100 lbs..lb. 4.00 - —
cns., 25 lbs.....lb. 4.25 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .14½- .15½
l.c.l., same basis.....lb. .15¼- .16¼
under 1,000 lbs.....lb. .16¼- .17¼
tanks, works.....lb. .13½- —
Phenolphthalein, USP, bbls., dms. 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs. lb. .87 - .89
Yellow, fib., dms., 2,000-lb. lots. lb. .80 - —
100-lb. fib., dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.25 - 3.50
Dimethylacetate, cns.....lb. 14.50 -16.00
Phenylethylphenyl acetate, bots., lb. 7.90 -15.50
Phenylhydrazine base, CP, bots., lb. 4.00 - —
Hydrochloride, CP, bots., works..lb. 4.00 - —
commercial, kgs., works...lb. 1.50 - —
pure, bbls., works.....lb. 2.25 - —
Phloroglucinol, CP, tins, works.lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.85 - —
70% min., bulk, mines, long ton. 2.35 - —
72% min., bulk, mines, long ton. 2.85 - —
75% basis, 74% min., bulk mines..long ton. 3.85 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75%, bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs. .....lb. .40 - .44
Yellow, cs. .....lb. .24 - .30
Phosphorous, oxychloride, cyls.lb. .15 - .18
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .18
Phthalamide, bbls., tons.....lb. .35 - —
single bbls.....lb. .40 - —
kgs. .....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .10 - .12
Pilocarpine hydrochloride, bots., vis..oz. 2.40 - 2.50
Nitrate, bots., vis.....oz. 2.90 - 3.09
Pimento, bgs.....lb. .15½- .16
Pinkroot, bls.....lb. .35 - .36
Pitch, Burgundy (see B)
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. .....ton. 22.00 - —
hardwood, 1-time, dm., c.l., dlvd. Akron..ton. 23.75 -24.00
linseed, dms. .....lb. .06 - .06¼
Petroleum (see Asphaltum, Mexican. Texas)
Pine, bbls. .....lb. 6.00 - 6.25
Plaster of paris (see Gypsum).

Pleurisy root, bls. .....lb. .11 - .12
Podophyllin, dms. .....lb. 4.75 - 4.95
Poke root, bls. .....lb. .07½- .08
milk cans.....gal. .21 - —
Pomegranate bark, bgs.....lb. .16 - .17
Root bark, bgs.....lb. .35 - .36
Poppy flowers, red, bls.....lb. .75 - .85
Seed, Dutch, bgs.....lb. .10 - .10½
Polish, bgs. .....lb. .10 - .10½
Potash abietate .....lb. .08 - —
Acetate, tech., bbls., dlvd..lb. .26 - —
kgs., dlvd. .....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs. .....lb. .30 - —
cns., 25 lbs. .....lb. .33 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs. .....lb. .12 - —
Bicarbonate, USP, cryst., bbls. 300 lbs. .15 - —
kgs., 100 lbs.....lb. .17 - —
gran., bbls., 250 lbs.....lb. .15 - —
kgs., 100 lbs.....lb. .17 - —
Bichromate, spot, c.l., works.lb. .08½- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Bromide, USP., gran., bbls., 500 lbs..lb. .31 - —
fib., dms., 100 lbs.....lb. .32 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., dlvd....lb. .03 - —
l.c.l., dms.....lb. .03¼- —
tanks, dlvd.....lb. .02871½- —
USP, gran., bbls., 325 lbs...lb. .14 - —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., dms., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07½
import, dms.....lb. .07 - .07½
liquid, 45% basis, dms.....lb. .03½- .03¼
tanks .....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, dms.....lb. .06¼- .06¾
Chlorate, cryst., kgs.....lb. .09¼- .09¾
gran., kgs.....lb. .12 - .13
powd., kgs.....lb. .08½- .09
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 - .06
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs.....lb. .34½- —
cns., 50 lbs.....lb. .35½- —
cns., 25 lbs.....lb. .37½- .38¼
Cyanide, cns., dms.....lb. .50 - .55
Glycerophosphate, 75%, sol., dms., 1,000-lb. lots..lb. .90 - —
100-lb. lots.....lb. 1.00 - —
50-lb. lots, cbys. or cns. lb. 1.05 - —
25-lb. lots, cns.....lb. 1.15 - —
Guaiacolsulphonate, fib., dms., 100 lbs. 1.65 - —
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns... 100 lbs. .30½- .32
Hypophosphite, cns., 100 lbs., lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.31 - 3.35
cns., 25 lbs.....lb. 3.20 - —
Iodide, bbls., 250 lbs.....lb. 1.13 - —
bots., or cns.....lb. 1.22 - 1.48
dms. .....lb. 1.13 - 1.16
Kainit, 20% K_2O, bulk, c.l.f., ports..ton. 12.25 - —

Prices for potash kainit, manure salts, muriate, sulphate and potash magnesia sulphate for July 1938-May 1939 are subject to discount according to the time orders are placed and the time of delivery. See fertilizer market report for particulars.

Manure salt, dom., run of mine, approx. 30%, K_2O, bulk, c.i.f. ports, unit-ton. .58½- —
import, 30%, K_2O, bulk, shipt. unit-ton. .58½- —
Metabisulphite, kgs.....lb. .12 - .13½
Muriate, dom., all strengths, min.. 50% K_2O bulk. unit-ton. .53½- —
import, all strength, min. 80% KCl, basis 50% K_2O, bulk, c.i.f. ports.. unit-ton. .53½- —

Potash muriate prices in bags are $2 per ton higher than bulk price.

Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls.....lb. .25 - .26
Nitrate, crude, bgs., c.i.f. ports. ton. 55.00 Nom.
Perchlorate, kgs., works....lb. .09 - .10½
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls.....lb. .30½- .34
Yellow, bbls. .....lb. .15 - .16
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lump, bgs., lb. .07 - —
Sulphate, NF, cryst., bbls., 400 lbs..lb. .13 - —
kgs., 100 lbs.....lb. .15 - —
powd., bbls., 350 lbs.....lb. .14 - —
kgs., 100 lbs.....lb. .16 - —
tech., 90-95%, min. 90%, bgs., shipt., c.l.f. ports..ton. 38.00 - —
l.c.l. .....lb. .13½- —
Xanthate, dms., c.l.....lb. .13 - —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt. ton. 25.75 - —
Potash-titanium oxalate, kgs...lb. .35 - .40
Prickly ash bark, bls.....lb. .11 - .12
Berries, bls.....lb. .14 - .15
Prince's pine herb, bls.....lb. .21 - .22
Propane, tanks, G.3.....gal. .03 - —
Psyllium seed (see Fleaseed).
Pulsatilla, bls. .....lb. .17 - .18
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03 - —
less than 3, works..lb. .03½- —
F and 1, bbls., 3 or over, works..lb. .03½- —
less than 3, works..lb. .04 - —
O, O-½, O-¾, and ½, bbls., less than 3, works..lb. .04½- —
3 or over, works..lb. .04 - —
Ital.-grd., bgs., c.l., shipt. ex dock, N.Y..ton. 32.85 Nom.
l.c.l., 5-29 tons, ex whse., ton. 37.70 - —
1,000-10,000 lbs., ex whse..ton. 38.70 - —
2 bgs. to 1,000 lbs., ex whse..ton. 40.70 - —
single bgs., ex whse.ton. 45.70 - —
Pumpkin seed, bgs.....lb. .10 - .12
Purple lake (see Red).

Putty, com'l, dms.....100 lbs. 3.00 - —
linseed oil, raw, dms....100 lbs. 4.50 - —
refined, dms.....100 lbs. 5.00 - —
standard, dms.....100 lbs. 3.95 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrins (Seil test) 55-gal. dms. (incl.) frt. alld. E. of Rockies, standard brand..gal. 6.40 - 6.75
basis (30 to 1) 3.6% pyrethrins 55-gal. dms., (incl.) frt. alld. E. of Rockies, standard brand..gal. 9.60 - 9.95
Pyrethrum, flowers, coarse, grnd. (g.d.p.), Japan, bgs., frt. alld., 15 tons or over..lb. .27 - .28½
fine powd. Japan, bbls., ton lots frt. alld..lb. .28 - .30
Pyridin, denaturing, dms....gal. 1.53 - —
refd., 2°, dms. .....lb. .45 - —
Pyrites, Spanish, bulk, c.l.f. Atl. ports..unit-ton. .12-13 Nom.
Pyrocatechin, CP, cryst., works, fib, dms, tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophyllite, standard, 200 mesh, c.l. mines..ton. 9.00 - —
325 mesh, same basis.....ton. 12.00 - —
No. 3, 200 mesh, c.l. mines..ton. 7.50 - —
325 mesh, same basis.....ton. 10.50 - —
Pyroxylin, scrap, amber, cs., works..lb. .15 - —
black, cs., works.....lb. .10 - —
China white, ivory, cs., works..lb. .16 - —
dense white, cs., works..lb. .12 - —
gray, cs., works.....lb. .10 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
shell-demi, cs., works....lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works.lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia, chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan., bbls., works..lb. .03⅝- —
tanks, works.....lb. .02⅞- —
solid, 63%, bgs, c.l., ex dock, plus duty..lb. .04 - —
clarified, 64%, bgs., c.l., same basis..lb. .04¼- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs.....lb. .09 - .10
Quercitron, extract, liquid, 51°, bbls..lb. .07½- .08¼
solid, dms.....lb. .10 - .15½
Quicksilver, dom., flasks (76 lbs. net), dlvd., N.Y..flasks. 75.00 -84.50
Quince seed, bgs.....lb. .85 - 1.00
Quinidine, cryst., small cns...oz. .96 - —
large, cns.....oz. .98 - —
powd., precip., cans.....oz. .91 - —
Sulphate, cns.....oz. .67 - —
Quinine, 100 ozs., cns.....oz. .76 - —
Acetate, cns.....oz. .99 - —
Arsenate, cns.....oz. .99 - —
Arsenite, cns.....oz. 1.01 - —
Bisulphate, cns.....oz. .54 - —
Citrate, cns.....oz. .72 - —
Dihydrobromide, bots.....oz. .75 - —
Dihydrochloride, bots.....oz. .75 - —
Ethylcarbonate, cns.....oz. .75 - —
Ferrocyanide, cns.....oz. 1.01 - —
Formate, cns.....oz. .94 - —
Glycerophosphate, cns.....oz. 1.14 - —
Hydrochloride, cns.....oz. .68 Nom.
Hydrochlorosulphate, cns....oz. .75 - —
Hydroiodide, cns.....oz. .99 - —
Hypophosphite, cns.....oz. .99 - —
Phosphate, cns.....oz. .82 - —
Salicylate, cns.....oz. .73 - —
Sulphate, U.S.P. X, cns.....oz. .54 - —
U.S.P. XI, cns.....oz. .61 - —
Sulphocarbolate, cns.....oz. .97 - —
Tannate, cns.....oz. .57 - —
Tartrate, cns.....oz. .97 - —
Valerate, cns.....oz. .93 - —
Quinine-urea hydrochloride cns.oz. .75 - —

R

R, salt, dry, bbls.....lb. .55 - —
paste, dms. .....lb. .52 - —
Rapeseed, Belgian, bgs.....lb. .06½- .07
Dutch, bgs. .....lb. .06½- .07
Japanese, bgs.....lb. .06⅛- .06¼
Raspberries, dried, bls.....lb. .45 - .50
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
light shade, bbls., ton lots, same basis..lb. .70 - —
smaller lots, same basis, lb. .75 - —
kgs., ton lots, same basis, lb. .75 - —
smaller lots, same basis, lb. .80 - —
light-medium shade bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
maroon shade, bbls., ton lots, same basis..lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
kgs., ton lots, same basis, lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
medium shade, bbls, ton lots, same basis..lb. .80 - —
small lots, same basis, lb. .85 —
kgs., ton lots, same basis, lb. .85 —
smaller lots, same basis, lb. .90 - —
selenide, bbls., dark, works, lb. 2.50 - —

Red, cadmium, selenide, bbls., light, works .....lb. 2.25 - —
Orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40 1-lb. cns., 500 lbs., lb. 4.15 - —
dms., 500-lb. lots.....lb. 4.00 - —
100-lb. lots .....lb. 4.10 - —
Crocus martis (see Red, purple oxide.)
Eosin toner, bbls.....lb. 1.50 - 1.60
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis..lb. .07¼- —
Iron oxide (see Red, oxide).
Lake C toner, bbls., same basis alizarin lake, contracts.lb. 1.25 - —
open order.....lb. 1.30 - —
Lithol toner, bbls., same basis, alizarin lake, contra..lb. .75 - —
open order.....lb. .80 - —
Rose lake, bbls.....lb. .20 - .30
Pink, bbls.....lb. .15 - .20
Lithol-rubin toner, bbls., same basis alizarin lake..lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts. lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom.... bbls..lb. 1.26 - —
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N.Y..lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. .75 - —
open order.....lb. .80 - —
Persian Gulf oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .04½- .04⅝
ex whse., Chicago, St. Louis..lb. .05⅞- —
San Fran., Los Ang., Portland, Seattle..lb. .05 - —
Phloxin toner (see Red, Eosin toner)
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kegs.....lb. .60 - 1.90
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .45 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish oxide, bbls., f.o.b. N.Y., lb. .03⅜- .0320
Toluidin toner, kgs., same basis alizarin lake..lb. 1.35 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0255- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 - —
English quicksilver, bbls., 500 lb. 1.55 - —
smaller lots.....lb. 1.56 - 1.69
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., fib. dms., 50 lbs. or more..lb. 1.51 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works...lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .09 - .10
Rhodinol, bots. .....lb. 6.65 -13.00
Rhubard root, cs.....lb. .31 - .32
powd., bbls., kgs.....lb. .35 - .36
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb. .17¾- —
smaller lots.....lb. .18¼- —
powd., bbls., 5,000 lbs., 1 shipt..lb. .16¾- —
smaller lots.....lb. .17¼- —
Rose flowers, pale, bls.....lb. .25 - .28
red, bls.....lb. 2.25 - 2.30
Rosemary flowers, bls.....lb. .25 - .30
Leaves, bls.....lb. .05 - .06
Rosin, gum B, bbls., ex docks. 280 lbs. 4.75 - —
D, bbls.....280 lbs. 5.10 - —
E, bbls.....280 lbs. 5.45 - —
F, bbls.....280 lbs. 5.62½- —
G, bbls.....280 lbs. 5.62½- —
H, bbls.....280 lbs. 5.62½- —
I, bbls.....280 lbs. 5.62½- —
K, bbls.....280 lbs. 5.62½- —
M, bbls.....280 lbs. 5.62½- —
N, bbls.....280 lbs. 6.50 - —
W. G., bbls.....280 lbs. 6.85 - —
W. W., bbls.....280 lbs. 7.55 - —
X, bbls.....280 lbs. 7.55 - —
Rottenstone, dom., bgs., c.l.,f.o.b. mines..ton.35.00 - —
l.c.l., ex whse.....ton.50.00 - —
import., lump., bbls.....lb. .12 - —
powd., bbls. .....lb. .08¼- .10
Rue, bls. .....lb. .15 - .16

S

Sabadilla seed, powd., bbls....lb. .19 - .20
Saccharin, dms., 100 lbs.....lb. 1.70 - —
cns., 25 lbs.....lb. 1.75 - 2.00
Safflower, bls.....lb. .24 - .25
Saffron, Mexican, bls.....lb. .28 - .29
Spanish, tins .....lb.30.00 -31.00
Safrol, cns.....lb. .52 - .53
dms. .....lb. .50 - .51
Sage, Dalmatian, stemless..lb. .05¾- .06
garden, bls. .....lb. .06¼- .06½
Sago flour, bgs.....lb. .02¾- .03⅛
Salicin, bots., 5 lbs.....lb. 5.00 - —
cns., 25 lbs.....lb. 4.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N. Y..ton.13.20 -13.80
l.c.l., bgs., dlvd., N. Y..ton.15.00 -15.60
vacuum, common, fine, bgs.,c.l., dlvd., N. Y..ton.15.30 - —
l.c.l., dlvd. N. Y.....ton.16.30 -21.00
Saltcake, grd., dom., bbls., works, ton.19.00 -25.00
bulk, works.....ton.15.00 - —
import, bulk, c.i.f.....ton.15.00 -16.00
Chrome (see Chrome cake).
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls..100 lbs. 7.50 - 8.25
1-9 tons.....100 lbs. 7.65 - 8.40
less than ton lots..100 lbs. 7.90 - 8.65
Saltpeter, gran., bbls., 10-20 tons, 100 lbs. 6.50 - —
1-9 tons.....100 lbs. 6.65 - —
less than ton lots..100 lbs. 6.90 - —
powd., bbls., 10-20 tons.100 lbs. 7.50 - —
1-9 tons.....100 lbs. 7.65 - —
less than ton lots..100 lbs. 7.99 - —
Santonin, cryst., cns.....lb.21.00 -22.00
Saponin, crude, cns.....lb. 1.45 - —
purified, bots., 5 lbs.....lb. 1.65 - —
cns., 25 lbs.....lb. 1.50 - —
Sarsaparilla root, Honduras, bls.lb. .40 - .41
Mexican, bls.....lb. .16 - .18
Sassafras, bark, ord., bls.....lb. .13 - .15
select, bls. .....lb. .18 - .20
Savory, bbls.....lb. .07 - .07½
Saw palmetto berries, bgs.....lb. .07 - .07½
Scammony root, bgs.....lb. .06 - .07
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't..lb. .13⅝- —
smaller lots.....lb. .14¾- —
kegs, 5,000 lbs., 1 shipm't..lb. .14¾- —
smaller lots.....lb. .14⅝- —
Selenium, pwd., A, 10-lb. tins..lb. 2.00 - —
100-lb. cases .....lb. 1.75 - —
Senega, root, bls.....lb. .49 - .51
Senna leaves, Alexandria, bls.lb. .10 - .14
siftings, bls.....lb. .10 - .11
Tinnevelly, No. 1, bls.....lb. .09 - .10
2 bls.....lb. .07 - .08
3 bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .09 - .10
Pods, bls.....lb. .06½- .08
Serpentaria root, bls.....lb. .75 - .80
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .19 - .20
dlvd. Boston.....lb. .19½- .20½
Chicago .....lb. .19¾- .20¾
Pacific Coast.....lb. .22 - .23
Shellac, bleached, refd., bbls., f.o.b. N.Y..lb. .25 - —
dlvd. Boston.....lb. .25½- —
Chicago .....lb. .25¾- —
Pacific Coast.....lb. .28 - —
Garnet, bgs.....lb. .13½- .14
Orange, D.C., VSO., Diamond, cases..lb. .20 - .21
Superfine, bgs., f.o.b. Bost. N. Y..lb. .11½- .12
dlvd. Chicago.....lb. .12 - .12½
Pacific Coast.....lb. .15 - .15½
T.N., bgs., f.o.b. Bost. N. Y..lb. .11 - .11¾
dlvd. Chicago.....lb. .11½- .12
Pacific Coast.....lb. .14 - .14½
Shellac varnish, orange, 5-lb. cut, bbls..gal. .85 - .95
4½-lb. cut, bbls.....gal. .80 - .90
4-lb. cut, bbls .....gal. .75 - .85
white, 5-lb. cut, bbls.....gal. 1.00 - 1.10
4½-lb. cut, bbls.....gal. .95 - 1.05
4-lb. cut, bbls.....gal. .90 - 1.00
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs. c.l., works.ton.17.00 - —
l.c.l., 2½ tons.works.ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., 2½ tons, works.ton.19.50 - —
smaller lots, works.ton.21.00 - —
400 mesh, bgs., c.l., works, ton.35.00 - —
l.c.l., 2½ tons,works.ton.36.50 - —
smaller lots, works.ton.38.00 - —
96-98%, 325 mesh., bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons,works.ton.21.50 - —
smaller lots, works.ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
l.c.l., 2½ tons,works.ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 140 mesh, bgs., c.l., works.....ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver bullion.....oz. .42%- —
Govt. purchase.....oz. .6464- —
Nitrate, vis.....oz. .31½- .33⅛
Nucleinate, bots., cns., 480 ozs., oz. .30 - .31
Proteinate, bots., cns., 480 ozs., oz. .29 - .30
Simaruba bark, bls.....lb. .27 - .28
Skatol, bots .....lb.75.00 -80.00
Skullcap, Eastern, bls.....lb. .20 - .21
Western, bls.....lb. .14 - .17
Skunk cabbage root, bls.....lb. .18 - .19
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .09 - .10
Smalt, black, extra velvet, ctns. lb. .05 - .08
Blue, cts.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .28
Soapbark, bls. .....lb. .07 - .08
crushed, bls., bbls.....lb. .11 - .12
cut, bls., bbls. .....lb. .09 - .10
powd., bbls. .....lb. .13 - .14
Soda, abietate, dms.....lb. .10 - —
Acetate, anhyd., dms., dlvd..lb. .08¼- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd. ....lb. .04½- .05
Alginate dms.....lb. .09 - —
Antimoniate, bbls.....lb. .12 - .12½
Arsenate, dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms., works.....lb. .08½- —
Arsenite, dry, gray, dms., c.l., dealers' works..lb. .07½- .09½
l.c.l., dms., works.....lb. .08 - .10
white, dms., c.l., dealers' works..lb. .09 - .11
l.c.l., dms., works.....lb. .09½- .11½
liquid, 50 gls., dms.....gal. .35 - —
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.33 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.08 - —
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., Zone 1..100 lbs. 1.45 - —
58%, bbls., c.l., Zone 2. 100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
l.c.l., Zone 1.....100 lbs. 2.46 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works. 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash l.c.l. prices are per 100 lbs. f.o.b recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N. H., Vt.), special local prices apply for shipts, to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louis), N. C., Omaha, S.C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N.D., Okla., S.D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N.M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).
Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 or more, lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
dms, 4,000 lbs., or more..lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52
Bicarbonate, gran., bbls., c.l., works..100 lbs. 2.25 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., dlvd. N. Y...100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd. N. Y...100 lbs. 2.76 - —
Bichromate, spot, c.l., works, lb. .06⅞- —
6 cks, or 10 bbls. or over, works..lb. .07 - —
5 cks, or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .12½- .15
Bisulphite, powd., bbls., c.l., bbls., wks.....100 lbs. 3.30 - 3.55
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 doz., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works...100 lbs. 1.55 - —
33 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works.100 lbs. 1.60 - —
35 deg., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
40 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fiber dms., 100 lbs.....lb. .32 - —
Cacodylate, bots., 5 lbs.....lb. 5.81 - —
jars, 25 lbs.....lb. 5.50 - —
Carbonate (see Soda ash, soda monohydrated, soda, sal)
Caustic, flake, 76%, 1, gr., powd., ammon. process, bbls., c.l., works...100 lbs. 2.70 - —
dms., c.l., works...100 lbs. 2.70 - —
l.c.l., Zone 1.....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49% buyer's tanks, works..100 lbs. 1.95 - —
seller's tanks, works, 100 lbs. 1.97½- —
70%, buyer's tanks, works, 100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
solid, 76%, ammon. process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon. process.
Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06¾- —
powd., bgs., c.l., works..lb. .06⅜- —
l.c.l., works.....lb. .07 - .08½
Citrate, U.S.P., VIII, gran., bbls..225 lbs. .19½- —
cns., 50 lbs.....lb. .21½- —
25 lbs.....lb. .23½- .24½
kgs., 100 lbs.....lb. .20½- —
USP XI, gran., bbls., 250 lbs. lb. .26 - —
cns., 50 lbs.....lb. .28 - —
25 lbs.....lb. .30 - .31
kgs., 100 lbs.....lb. .27 - —
U.S.P., XI, powd., bbls., 250 lbs..lb. .26½- —
cns., 50 lbs.....lb. .28½- —
25 lbs.....lb. .30½- .31½
kgs., 100 lbs.....lb. .27½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import, 90%, cs.....lb. .12¾- .13¼
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila..lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
5-9, same basis.....lb. .08¼- —
1-4, same basis.....lb. .08¾- —
95%, bbls., c.l., same basis, lb. .07½- —
l.c.l., 10 or over, same basis..lb. .08 - —
5-9 same basis.....lb. .08¼- —
1-4, same basis.....lb. .08¾- —
Soda fluoride prices at Los Angeles are f.a.s. Phila.
Glycerophosphate, N. F., cryst., bbls., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
powd., bbls., 1,000-lb. lots.. lb. 1.05 - —
smaller lots.....lb. 1.20 - —
cns., 25 lbs.....lb. 1.45 - —
Hydrosulphite, bbls.....lb. .16 - .17
Hydroxide, USP., sticks, cns., 160 lbs..lb. .20½- .22
Hypophosphite, N.F., cns.... 100 lbs..lb. .67 - —
Hyposulphite, cryst., large, bgs, c.l., wks, frt. equal'd, 100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., wks, frt. equal'd 100 lbs. 2.50 - —
bbls., same basis..100 lbs. 2.70 - —
100 lbs. 2.40 - 2.65
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs., and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., wks.....100 lbs. 2.95 - 3.20
dms., wks.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., wks..100 lbs. 2.85 - 3.10
bbls., wks.....100 lbs. 3.05 - 3.30
dms., wks.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., bgs., wks., 100 lbs. 3.10 - 3.35
bbls., wks.....100 lbs. 3.30 - 3.55
dms., wks.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., wks, 100 lbs. 3.70 - 3.95
bbls., wks.....100 lbs. 3.90 - 4.15
dms., wks.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars .....lb. 2.10 - —
bots. .....lb. 2.21 - 2.47
Mandelate, bots., 5 lbs.....lb. 3.30 - —
fib. dms., 25 lbs.....lb. 3.15 - —

Red Cadmium—Stramonium

Soda, metanilate, kgs.....lb. .41 Nom.
Metasilicate, ground, dms., c.l., works..100 lbs. 3.15 - —
l.c.l., works.....100 lbs. 3.40 - —
cryst., dms., c.l.....100 lbs. 2.99 - —
gran., bbls., c.l., works.100 lbs. 2.20 - —
Molybdate, kgs., wks.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthenate, bbls.....lb. .19 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., Aug. delivery, f.o.b. cars producing point or ports, rail or boat shipment..ton.29.00 - —
200-lb. bgs., same basis.ton.28.30 - —
bulk, same basis.....ton.27.00 - —
rfd., gran., bbls., 10 tons.. 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., ton lots.100 lbs. 5.65 - —
smaller lots.....100 lbs. 5.90 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized..lb. .06¾- —
c.l., West Coast, f.o.b. f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11¼
Soda nitrate l.c.l. price range represents delivery at various points.
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .11 - —
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Phosphate, dibasic, tech., bgs., c.l., works..100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works...100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.40 - —
monobasic, anhyd., bbls., c.l., 100 lbs. 7.45 - —
l.c.l. .....100 lbs. 8.20 - —
tribasic, bgs., c.l., works.. 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.40 - —
bbls., c.l., works...100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.60 - —
kgs., c.l., works....100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.10 - —
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., works. lb. .09½- .10
Pyrophosphate, anhy., c.l., bgs., wks., frt. equal'd..100 lbs. 5.90 - —
bbls., c.l., same basis, 100 lbs. 6.10 - —
10,000 lbs. or over, bgs., same basis..100 lbs. 6.25 - —
bbls., same basis.....100 lbs. 6.45 - —
less than 10,000 lbs., bgs., same basis..100 lbs. 6.90 - —
bbls., same basis....100 lbs. 7.10 - —
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd., N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquisilicate, dms., c.l., works, 100 lbs. 3.00 - —
20 dms., and up, dlvd.N.Y.C. 100 lbs. 3.35 - —
5-19 dms.....100 lbs. 4.10 - —
1-4 dms.....100 lbs. 4.30 - —
Silicate, 40° turbid., dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1-4, works.....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1-4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. .05¼- .05⅛
import, bbls. .....lb. .04½- .05
Stannate, dms.....lb. .29 - .32
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., works, 100 lbs. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1-4 .....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see hyposulphite).
Tungstate, CP, kgs.....lb. 1.75 - 1.85
tech., kgs. .....lb. 1.05 - 1.10
Solvent, high-flash, dms., works, frt., equald..gal. .31 - —
tanks, same basis.....gal. .26 - —
naphtha, solvent, dms., works, gal. .31 - —
tanks, E. of Omaha, frt., alld. gal. .26 - —
W. coast, f.o.b., Minnequa, Colo..gal. .26 - —
Sorbitol, com'l, solut., dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .18 - —
Sparteine sulphate, cns.....oz. 1.00 - 1.05
Spearmint leaves, bls.....lb. .19 - .20
Spikenard root, bls.....lb. .13 - .14
Spruce extract, bbls., works...lb. .01⅝- —
tanks, works.....lb. .01¼- —
powd., bgs.....lb. .04 - —
super, bbls., works.....lb. .01⅞- —
tanks, works.....lb. .01⅝- —
Squawvine leaves, bls.....lb. .15 - .16
Squill red, bls.....lb. .14 - .15
white, bls.....lb. .06 - .07
powd., bbls., bxs.....lb. .12 - .13
St. Ignatius beans, bgs.....lb. .45 - .50
St. John's bread, bls.....lb. .06½- .07
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.45 - 2.65
dlvd., N. Y.....100 lbs. 2.80 - 3.00
powd., bgs., f.o.b. Chicago. 100 lbs. 2.55 - 2.75
dlvd., N. Y.....100 lbs. 2.90 - 3.10
Potato, dom., bgs.....lb. .04 - .05
import, bgs.....lb. .05 - .06
Rice, bbls.....lb. .06¼- .07¼
Wheat, thick boil, bbls.....lb. .06¼- —
Staveacre seed, bgs. .....lb. .17 - .18
Stearin, oleo, bbls.....lb. .07¾- .08
Stillingia root, bls.....lb. .08 - .09
Stoneroot, bls.....lb. .07½- .08
Storax, cs. .....lb. .48 - .49
Stramonium leaves, bls.....lb. .13 - .14
Seed, bgs.....lb. .09 - .10

Strontium Brom.—Triacetin

Strontium bromide, fib, dms..lb.	.57	- .58
kgs., 150 lbs.....lb.	.55	- —
Carbonate, N.F., IV. 250-lb. bbls..lb.	.30	- —
25-lb. bxs.....lb.	.35	- —
100-lb. kgs.....lb.	.32	- —
Chloride, bbls.....lb.	.13¼	- —
Iodide, bots., 5 lbs.....lb.	2.90	- —
jars, 25 lbs.....lb.	2.85	- —
Nitrate, dom., bbls., c.l., works..lb.	.07¾	- —
25 bbls. and over.....lb.	.08¼	- —
1-4 bbls. and over.....lb.	.08¾	- —
import, bbls.....lb.	.07¾	- .08¾
Strophanthus seed, Kombe, bgs.lb.	1.20	- 1.25
Styralyl acetate, bots.....lb.	6.75	- 7.00
Strychnine, cryst., cns., 100-oz. lots..oz.	.39	- —
powd., cns., 100-oz. lots..oz.	.29	- —
Acetate, 25-oz. cns., 100-oz. lots..oz.	.57	- —
Arsenate, 25-oz. cns., 100-oz. lots..oz.	.60	- —
Arsenite, 25-oz. cns., 100-oz. lots..oz.	.57	- —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz.	.59	- —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz.	.57	- —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz.	.68	- —
Nitrate, 25-oz. cns., 100-oz. lots..oz.	.50	- —
Phosphate, 25-oz. cns., 100-oz. lots..oz.	.59	- —
Sulphate, cryst., cns., 100-oz. lots..oz.	.35	- —
powd., cns., 100-oz. lots, oz.	.25	- —
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works..lb.	.45	- —
tech., bbls., l.c.l., works....lb.	.40	- —
Sugar coloring, bbls.....gal.	.70	- 1.10
Milk., bbls., c.l.....lb.	.15	- —
l.c.l., 10 or over.....lb.	.16	- —
less than 10.....lb.	.17	- —
Sulfanilamide, 5 lb. bots.....lb.	1.90	- —
fib., dms., 1,000 lbs.. 1 delivery, lb.	1.50	- —
100 lbs.....lb.	1.55	- —
Sulphonethylmethane, kgs.....lb.	6.75	- 6.80
Sulphonmethane, kgs.....lb.	5.25	- 5.30
Sulphur, crude, bulk, 1,000 tons, mines, contracts, long ton.	18.00	- —
c.l., spot, nearby, long ton.	21.00	- —
ex vessel, Balto., N. Y., Phila., Southern ports, long ton.	22.00	-25.00
Bost., Portland..long ton.	22.50	-25.50
flowers, bgs., c.l., works.100 lbs.	3.00	- —
bbls., works.....100 lbs.	3.25	- —
l.c.l., bgs., works..100 lbs.	3.25	- 3.75
bbls., works.....100 lbs.	3.70	- 4.10
refined, broken, bgs., c.l., works, 100 lbs.	2.15	- —
bbls., works.....100 lbs.	2.30	- —
l.c.l., bgs., works..100 lbs.	2.50	- 2.90
bbls., works.....100 lbs.	2.65	- 3.05
flour, comm'l, bgs., c.l., works, 100 lbs.	1.65	- —
bbls., c.l., works..100 lbs.	1.95	- —
l.c.l., bgs., works..100 lbs.	1.95	- 2.35
bbls., works.....100 lbs.	2.60	- 2.70
extra fine, bgs., c.l., works, 100 lbs.	2.85	- —
bbls., works....100 lbs.	3.20	- —
heavy, bgs., c.l., works, 100 lbs.	2.55	- —
bbls., works....100 lbs.	2.80	- —
l.c.l., bgs., works, 100 lbs.	2.90	- 3.30
bbls., works....100 lbs.	3.25	- 3.65
Sulphur, rfd., light, bgs., c.l., works, 100 lbs.	2.65	- —
bbls., works....100 lbs.	3.00	- —
l.c.l., bgs., works, 100 lbs.	3.00	- 3.40
bbls., works....100 lbs.	3.35	- 3.75
rock, virgin, bbls., c.l., works, 100 lbs.	2.30	- —
l.c.l., bbls., works.100 lbs.	2.15	- —
roll, bgs., c.l., works..100 lbs.	2.35	- —
bbls., works....100 lbs.	2.50	- —
l.c.l., bgs., works..100 lbs.	2.70	- 3.10
bbls., works....100 lbs.	2.85	- 3.25
Chloride, 55-gal. dms., c.l....lb.	.03	- —
l.c.l., dms., works....lb.	.04	- —
10-gal. dms., c.l.....lb.	.07	- —
l.c.l. .....lb.	.08	- —
Dioxide, liq., com'l, cyls., works..lb.	.07	- .09
multi-unit cars, works..lb.	.04½	- .07
tanks, works.....lb.	.04	- .05
refrigeration, cyls., works.lb.	.16	- .40
multi-unit cars, works..lb.	.07½	- .10
Iodide, bots., jars.....lb.	3.90	- —
Sumac berries, bgs.....lb.	.06	- .07
Sumac, grd., Sicilian, bls.....ton.	67.00	- —
leaf, bales.....ton.	68.00	- —
Extract, 42°, bbls.....lb.	.05¼	- .06¼
51°, bbls.....lb.	.06¼	- .08¼
stainless, bbls.....lb.	.06½	- .08½
Sunflower seed, Calif., large, bgs., lb.	.06	- .06½
medium, bgs. .....lb.	.04½	- .05
poultry, bgs.....lb.	.03½	- .04
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto. ton.	8.00	- —
run-of-pile, basis 16%, bulk, same basis..ton.	7.50	- —
triple, 40-48%, a.p.a. bulk, f.o.b. Balto..unit-ton.	.70	- —

T

Talc., dom., Calif., 1, bgs., c.l., mills..ton.	20.00	- —
2, bgs., c.l., mills.....ton.	17.00	- —
N.Y., fibrous, 93-94%, 325 mesh bgs., c.l., mills.. ton.	14.00	- —
l.c.l., mills.....ton.	16.00	- —
96-98%, 325 mesh, bgs., c.l., mills..ton.	15.00	- —
l.c.l., mills.....ton.	17.00	- —
98-99½%, 325 mesh, bgs., c.l., mills..ton.	15.25	- —
l.c.l., mills.....ton.	17.25	- —
99.85-99.95%, 325 mesh, bgs., c.l., mills..ton.	17.00	- —
coarse, off color, bgs., c.l., mills..ton.	11.00	-13.00
Ohio, alum-mag. type, grd., bgs., c.l., mills..ton.	21.00	- —
l.c.l., mills.....ton.	24.50	- —
Vermont, bgs., c.l., mills. ton.	14.00	- —
l.c.l., ex whse.....ton.	25.00	- —
Canad., bgs., c.l., mills...ton.	11.50	-13.00
French, high-grade, bgs., l.c.l., ex whse..ton.	45.00	-60.00
ordinary, bgs., c.l., ex dock, arrival..ton.	23.00	-25.00
l.c.l., ex whse.....ton.	27.50	-32.50
Italian, 1, bgs., ex dock, arrival. ton.	65.00	-67.00
ex whse.....ton.	85.00	- —
2, bgs., ex dock, arrival.ton.	60.00	-62.00
Tallow, animal, edible, bbls...lb.	.07¾	- .07¾
extra, loose, works.....lb.	.05¼	- —
special, loose, works.....lb.	.05¼	- —
Vegetable, ship., cs.....lb.	.07½	- .08
sulphonated 35% (24% fat), dms., c.l..lb.	.05	- .05½
l.c.l. .....lb.	.06	- .06½
50% (43% fat) dms., c.l..lb.	.06½	- .07
l.c.l. .....lb.	.07½	- .08
50% (48% fat), dms., c.l..lb.	.07	- .07½
l.c.l. .....lb.	.08	- .09
Tamarind, W. I., bbls.....lb.	.05½	- .06
kegs .....keg.	5.00	- 5.25
Tankage, animal, dom., grd., 10-12%, ammon., 15-20% b.p.l., bulk..unit-ton.	2.70 &	.10
unground, 9-11% ammon., 15-20% b.p.l., bulk, unit-ton.	2.70 &	.10
fertilizer grade, 10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton.	2.55 &	.10
high-grade feeding, bulk, Chicago..unit-ton.	2.75 &	.10
import., S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports ship. unit-ton.	3.25 &	.10 Nom.
Tansy leaves, bls.....lb.	.18	- .19
Tapioca, flour, bgs.....lb.	.02	- .04
Tar acid oil, 15%, dms., c.l., works..gal.	.22	- —
l.c.l., same basis.....gal.	.25	- —
25%, dms., c.l., works....gal.	.25½	- —
l.c.l., same basis.....gal.	.28½	- —
Pine, retort, dms., c.l., dlvd. E. cities..gal.	.26	- —
dlvd., ports.....gal.	.25	- —
l.c.l. .....gal.	.26	- —
tanks, dlvd. E. cities....gal.	.20	- —
Tarragon herb, bgs.....lb.	.22	- .22½
Tartar emetic tech., fine gran., bbls., 5 or more..lb.	.27¾	- —
less than 5.....lb.	.28	- —
powd., bbls., 5 or more..lb.	.27¾	- —
less than 5.....lb.	.28	- —
USP, powd., bbls.....lb.	.33	- .33½
Terebene, cans.....lb.	.70	- .75
Terpinyl acetate, cns.....lb.	.77	- 1.00
Terpin hydrate, kgs.....lb.	.45	- .46
Terpineol, CP, cns.....lb.	.25	- —
dms. .....lb.	.23	- —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb.	.17	- —
Terra alba (see Gypsum).		
Tetrachloroethane, dms.,works.lb.	.08	- .08½
Tetrachloroethylene, CP, dms..lb.	.21½	- —
tech., dms. .....lb.	.09½	- —
Tetralin, dms. .....lb.	.12	- —
Thallium sulphate, 90% pure, dms, works..lb.	7.25	- 7.50
Theobromine, cns. .....lb.	2.10	- 2.40
Sodiosalicylate, cns. .....lb.	1.75	- 1.85
5-lb. bots. .....lb.	2.01	- —
Thiocarbanilide, dms. .....lb.	.24	- —
Thorium nitrate, cs., works...lb.	2.00	- —
Thyme, French, bls.....lb.	.14	- .15
Thymol, dms., 100 lbs.....lb.	1.40	- —
cns., 25 lbs.....lb.	1.45	- —
Iodide, kgs., 50 lbs.....lb.	3.25	- 3.30
25 lbs.....lb.	3.35	- 3.40
Timbo root, powd., 4% rotenone, bbls..lb.	.18	- .26
5% rotenone, bbls.....lb.	.22	- .30
Tin crystals, bbls., kgs.....lb.	.34½	- .35
Metal, Straits.....lb.	.43	- —
Oxide, bbls.....lb.	.48	- .50
Tetrachloride, anhyd., bbls...lb.	.22	- —
Titanium, dioxide, bgs., c.l. (20 tons), E. frt. alld..lb.	.15	- —
Pac. cst., f.o.b. terminals, lb.	.15	- —
l.c.l., 5 tons, E., dlvd....lb.	.15¼	- —
Pac. cst., ex whse..lb.	.15¼	- —
1,000-9,999 lbs., E. dlvd.lb.	.15½	- —
Pac. cst., ex whse....lb.	.15½	- —
50-999 lbs., E. dlvd.....lb.	.15¾	- —
Pac. cst., ex whse....lb.	.15¾	- —
under 50 lbs., E. dlvd...lb.	.18	- —
Pac. cst., ex whse....lb.	.18	- —
bbls., c.l. (20 tons), E. frt. alld..lb.	.15¼	- —
l.c.l., 5 tons, E. dlvd.....lb.	.15¼	- —
1,000-9,999 lbs., E. dlvd.lb.	.15¾	- —
50-999 lbs., E. dlvd. b.	.16	- —
phthalate-treated, bgs., c.l., (20 tons), E. frt. alld.lb.	.23	- —
Pac. cst., f.o.b. terminal..lb.	.23	- —
l.c.l., 5 tons, E. dlvd...lb.	.23¼	- —
Pac. cst., ex whse..lb.	.23¼	- —
1,000-9,999 lbs., E. dlvd.lb.	.23½	- —
Pac. cst., ex whse....lb.	.23½	- —
50-999 lbs., E. dlvd....lb.	.23¾	- —
Pac. cst., ex whse..lb.	.23¾	- —
under 50 lbs.....lb.	.26	- —
bbls., c.l. (20 tons), E. frt. alld..lb.	.23¼	- —
l.c.l., 5 tons, E. dlvd...lb.	.23¼	- —
1,000-9,999 lbs. E. dlvd.lb.	.23¾	- —
50-999 lbs., E. dlvd....lb.	.24	- —
pigment, barium, calcium, or magnesium base, c.l., E. frt. alld.....lb.	.05⅝	- —
Pac. cst., f.o.b. terminal, lb.	.05⅝	- —
l.c.l., dlvd.....lb.	.05⅞	- —
Pac. cst., ex whse..lb.	.05⅞	- —
under 50 lbs., E. dlvd.lb.	.06⅝	- —
bbls., c.l., E., frt. alld...lb.	.05⅞	- —
l.c.l., E., dlvd.....lb.	.06⅛	- —
Tolidin base, distilled, kgs....lb.	.86	- —
Tolu, balsam, cns.....lb.	.44	- .45
Toluidin, mixed, dms.....lb.	.26	- —
Toluol (toluene), pure, dms., works..gal.	.27	- —
tanks, E. of Omaha, frt. alld. gal.	.22	- —
W. Coast, f.o.b. Minnequa, Colo..gal.	.22	- —
Nitration, dms., wks.....gal.	.28½	- —
tanks, E. of Omaha, frt. alld. gal.	.23½	- —
Tonga vine, NF, bls.....lb.	.26	- .27
root, bls. .....lb.	.30	- .31
Tonka beans, Angostura, cks..lb.	2.40	- 2.50
Triacetin, dms. .....lb.	.26	- —

STAUFFER

Stauffer CHEMICALS

SULPHUR

The words "Stauffer" and "Sulphur" have become virtually synonymous in industry—for we are the oldest and largest refiner of Sulphur in the world. The following complete list of Sulphurs are now available for immediate delivery:

Rubber Compounding—Wettable—Dusting—Sublimed Velvet Flowers—Light and Heavy Refined—Refined Roll (stick)—Commercial Flour—Special Refined Salt Block—Refined Lump.

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SULPHURIC ACID : CAUSTIC SODA : TARTARIC ACID : WHITING : CARBON BISULPHIDE : LIQUID CHLORINE

STAUFFER CHEMICAL COMPANY

624 California St., San Francisco, Cal. • 2710 Graybar Bldg., New York, N. Y. • Freeport, Texas • Rives-Strong Bldg., Los Angeles, Cal. • Carbide and Carbon Bldg., Chicago, Ill. • 424 Ohio Bldg., Akron, Ohio • Apopka, Florida

Chemicals

Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works..lb. .80 - —
Tributyl citrate, dms., l.c.l., dlvd..lb. .35 - —
Phosphate, dms., l.c.l., dlvd., lb. .50 - —
Tributylamines, dms., l.c.l., works lb. .70 - —
Trichloroethylene, dms., c.l., works, frt. alld. Zone A..lb. .09 - —
l.c.l., dms..lb. .095 - —
Zone B, c.l..lb. .105 - —
l.c.l., dms..lb. .110 - —
Zone C, dms., l.c.l..lb. .105 - —
Zone A is East of the Rockies; B takes in Rocky Mountain States, and Zone C represents Pacific Coast States.
Tricresyl phosphate, CP, cns., dlvd..lb. .42 - .53
dms., c.l., dlvd..lb. .36 - —
500 lbs., dlvd..lb. .39 - —
tech., 1, dms., c.l..lb. .24½- —
500 lbs. dms..lb. .25 - —
less than 500 lbs., dms..lb. .28 - .39
2, dms., c.l..lb. .23½- —
500 lbs., dms..lb. .24 - —
less than 500 lbs..lb. .27 - .38
Triethanolamine, dms., c.l., works, lb. .21 - —
l.c.l., works..lb. .22 - —
tanks, works..lb. .20 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns..lb. .54 - .56
dms., dlvd..lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd..lb. 1.05 - —
Triphenyl phosphate, dms..lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double-grd., bgs., c.l., works. ton.16.00 - —
once-grd., bgs., c.l., works..ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 99%, dms., wks..lb. 2.80 - 3.00
Oxide, CP, kgs..lb. 2.65 - 2.75
tech., kgs..lb. 1.85 - 1.95
Turmeric root, Alleppey, bgs..lb. .05½- .05⅝
Madras, bgs..lb. .06¼ Nom.
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .28 - —
l.c.l., 10, ex dock..gal. .30 - —
5, ex dock..gal. .32 - —
steam-dist., dms., c.l., dlvd.gal. .27 - —
l.c.l., dlvd..gal. .30 - —
tanks, dlvd..gal. .22 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, kgs..lb. 1.50 - —
Urea, dom., 46 + % N. bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va..ton.95.00 - —
smaller lots, f.o.b. Belle, W. Va..ton.95.00 - —
f.o.b. N. Y..ton.101.00 - —
import, 46% N. bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt.ton.95.00 - —
Urea, import, 46% N., bgs., smaller lots, f.o.b. N. Y. from whse.101.00 - —
pure, cs..lb. .14½- .15⅛
Urea-ammonia liquor 55% ammon., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports. NH₃ unit. 1.00 - —
Uva ursi leaves, bls..lb. .09 - .09⅛

V

Valerian root, bls..lb. .09 - .09⅛
Valonia, beards, bgs., shipt..ton.45.00 - —
Cups, bgs., shipt..ton.32.00 -34.00
extract, powdered, 63%..lb. .06 - —
Vanilla beans, Bourbon, tins..lb. 3.90 - 4.50
Mexican, tins..lb. 4.50 - 5.00
cut, tins..lb. 3.75 - 4.00
South American, tins..lb. 3.75 - 3.80
Vanillin, ex eugenol, 25-lb. tins, lb. 2.10 - —
5-lb. tins..lb. 2.20 - —
Vanillin, ex guaiacol, 10c. per lb. less
Venice turpentine, true, cs..lb. .42 - .44
Verdigris, bbls., kgs..lb. .22 - .23
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls..lb. .45 - .47
Tree bark, bls..lb. .22 - .23
Wattle bark, bgs., shipt..ton.39.75 -41.75
Extract, bbls..lb. .04⅝- —
Wax, bayberry, import, bgs..lb. .16⅞- .17
Bees, white, bleach, slabs, cs., 500 lbs. .37 - .39
yellow, crude, Africa, bgs., lots of 10..lb. .21 - .21½
1 bg..lb. .22 - .22½
Brazil, Chile, bgs., 5-10 tons, lb. .22 - .22½
1 ton..lb. .22½- .23
500 lbs..lb. .24 - .24½
100 lbs..lb. .23 - .23½
refd., slabs, cs., lbs..lb. .32½- .33
Candelilla, bgs., 1 ton..lb. .14½- .15
jobbing lots..lb. .15 - .15½
Carnauba, No. 3, chalky, bgs., 1 ton..lb. .33½- .34½
5 bgs..lb. .34 - .35
1 bg..lb. .34½- .35½
N. C. 2, bgs..lb. .37 - .37½
N. C. 3, bgs., 1 ton..lb. .33½- .34½
5 bgs..lb. .34 - .35
1 bg..lb. .34½- .35½
refined, bgs..lb. .38 - .38½
yellow, No. 1, bgs., 1 ton..lb. .42½- .43
5 bgs..lb. .43 - .43½
1 bg..lb. .43½- .44
No. 2, bgs..lb. .41½- .42
Ceresin, dom., 138°-140° m.p., bgs., 1 ton..lb. .08½- —
jobbing lots..lb. .09½- —
150°-1.0° m.p., bgs., 1 ton..lb. .09½- —
jobbing lots..lb. .10½- —
160° m.p., bgs., 1 ton..lb. .10½- —
jobbing lots..lb. .11½- —
Japan, cs..lb. .10 - .10¼
Montan, bgs., c.l..lb. .11 - —
5 tons..lb. .11¼- .11⅛
less than 1 ton..lb. .11½- .12
Ozokerite, hard green, congeal, p. 66°-68° C., bgs..lb. .62 Nom.
70°-72° C., bgs..lb. .35 Nom.
74°-76° C., bgs..lb. .38 Nom.
Wax, ozokerite, snow-white, pure 76°-78° C., bgs..lb. .45 - .46
yellow, natural, 76°-78° C., bgs..lb. .35 - .36
Paraffin (see P).
Spermaceti, blocks, cs..lb. .23 - .24
cakes, cs..lb. .24 - .25
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .06 - .06¼
White precipitate, powd., 5-lb. bots..lb. 1.59 - —
dms., 50 lbs., or more..lb. 1.46 - —
Whiting, chalk, com'l., dry-grd., blp. bgs., c.l., works..ton.12.00 - —
l.c.l., works..ton.14.00 - —
bbls., c.l., works..ton.15.00 -16.50
l.c.l., works..ton.17.00 - —
pap. bgs., c.l., works..ton.11.20 -13.50
l.c.l., works..ton.13.20 -14.50
wet-grnd., blp., bgs., c.l., works..ton.14.50 -15.00
l.c.l., works..ton.15.00 -19.00
bbls., c.l., works..ton.17.00 -18.00
gilder's bolted, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works..ton.16.00 - —
bbls., c.l., works..ton.18.00 -19.50
l.c.l., works..ton.19.00 -20.00
pap. bgs., c.l., works..ton.14.60 -15.50
l.c.l., works..ton.15.60 -16.50
extra bolted, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works..ton.16.00 - —
bbls., c.l., works..ton.18.00 -22.50
l.c.l., works..ton.19.00 -22.00
pap. bgs., c.l., works..ton.14.60 -17.50
l.c.l., works..ton.15.60- 18.50
Paris white, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works..ton.16.00 - —
bbls., c.l., works..ton.18.00 -24.00
l.c.l., works..ton.19.00 -25.00
pap. bgs., c.l., works..ton.14.60 -20.00
l.c.l., works..ton.15.60 -21.50
English cliffstone (see Whiting, chalk, Paris white).
limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l., ton. 9.35 - —
99.75% 200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
90% 200 mesh, paper bgs., c.l., same basis..ton. 6.25 - —
gilders, bgs, (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works..ton.13.50 - —
2-4 tons, works..ton.14.50 - —
extra, bgs., (extra), c.l., works..ton.12.50 - —
l.c.l., 8-20 tons, works, ton.13.50 - —
4-8 tons, works..ton.14.50 - —
2-4 tons, works..ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works..ton.12.00 - —
4-8 tons, works..ton.13.00 - —
2-4 tons, works..ton.14.00 - —
water-floated, bgs., (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works..ton.13.50 - —
2-4 tons, works..ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works..ton.20.00 - —
smaller lots, works..ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .04½- .05
rossed, bls..lb. .06 - .07
thin, natural, bls..lb. .06 - .07
rossed, green, bls..lb. .08 - .09

Triamyl Borate—Yellow

Wild indigo root, bgs..lb. .09 - .10
Witch-hazel extract, dist., NF, bbls..gal. .40 - .45
Leaves, bls..lb. .07 - .08
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works.. ton.20.00 - —
import, 70 mesh, bgs., ex dock, ton.22.00 - —
80 mesh, bgs., ex dock..ton.24.50 - —
100 mesh, bgs., ex dock..ton.27.50 - —
120 mesh, bgs., ex dock..ton.30.00 - —
Wormseed, American, bgs..lb. .10 - .11
Levant, bgs..lb. 3.70 - 3.75
Wormwood, bls..lb. .08 - .09

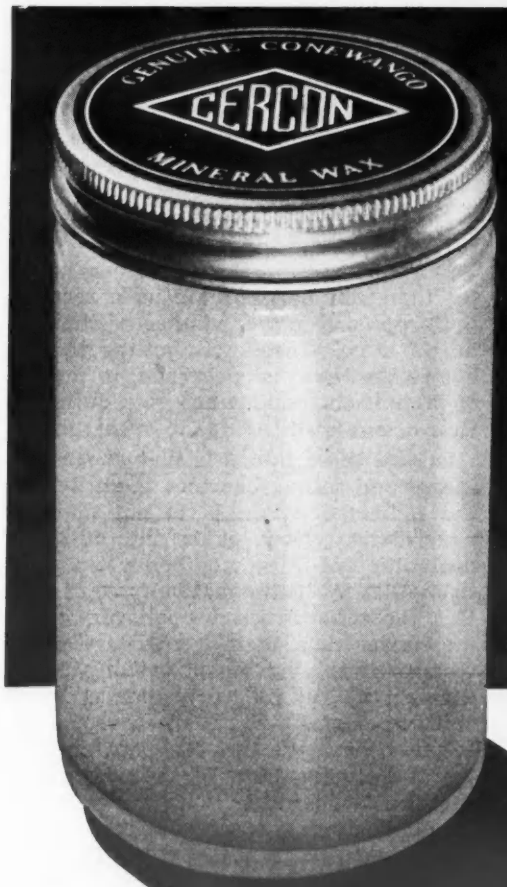
X

Xylol (xylene), indus., dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
nitration, dms., wks..gal. .42 - —
tanks, E. of Omaha, frt. alld., gal. .33 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .33 - —
5°, dms., works..gal. .37 - —
tanks, E. of Omaha, frt., alld., gal. .32 - —
10°, dms., works..lb. .34 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
Xylidin, mixed, dms..lb. .35 - .36

Y

Yara yara, cryst., cns..lb. 1.25 - 1.50
Yellow, cadmium, CP, import., bxs..lb. 1.50 - 2.50
lithopone, all shades, bbls. 1 ton, works, frt. alld..lb. .45 - —
smaller lots, same basis, lb. .50 - —
kgs., ton lots, same basis, lb. .50 - —
smaller lots, same basis, lb. .55 - —
sulphide, orange, bbls., works, lb. .95 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N.C., E. of Miss., R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .14½- —
open order..lb. .15½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

—Continued on page 50



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WARREN, PENNSYLVANIA

Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison

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Vol. 134 August 29, 1938 Number 9

There is a deal of common sense in the commentaries on current and coming business conditions compiled for the chemical, oil, and drug industries elsewhere in this paper. These commentaries, therefore, have more than the face value of the encouragement that is to be found in them. A common-sense view of business conditions is greatly to be desired. Trying to find something unidentifiable on which to pin the responsibility for unsatisfactoriness can lead nowhere.

Business Men Are Cheerier

It is particularly encouraging to find in these commentaries direct expressions of the opinion that men of vision, of courage, and of vigor will be able to keep business going and gaining in proportion to the effort they direct to this purpose. Hopefulness predominates among the commenters, although some of them are a bit dubious of the potentialities of external influences. The general feeling expressed is that the outlook for business depends on the outlook of business men. This is in keeping with the remarkable recent pronouncement by an eminent British economist that trade cycles are caused by man, rather than by nature.

Of course, nature can play a large part, by means of droughts, floods, and other agencies, in the determination of the condition of certain divisions of business. That this influence extends to the creation of business cycles is, however, a plain fallacy. The British economist's dictum is not, however, a mere platitude: the ups and downs of business are still of superhuman or even supernatural contriving to many affected by them.

Industrial activities have increased noticeably since the middle of the year —taking them in the aggregate. This aggregate increase is none the less encouraging because it comprises decreases in certain lines; the net effect has been a better balancing. Sales of consumer goods have been showing improvement, although these, as well as manufacturing production, are still uncomfortably lower than they should be. Conditions are not so good in the capital goods industries. The significance of this will vary in proportion to the appraisal of activities in these lines as essential to recovery. But, bigger sales of consumer goods is a better stimulant than increased capitalization.

Talk about the coming resignation of the chief tax expert of the Treasury Department adds to the necessity that business formulate a Federal tax system and promote its adoption by Congress at the next session. The fewer tax experts remaining in public office for the instructing and stimulating of congressional members, the simpler will be the problem of getting a new tax system; but the assurance that the system will be more satisfactory will be no greater. There should, however, be a bigger opportunity for business to carry through this business job.

This Job Still Waits

The job is not only one of formulating a satisfactory tax schedule, or basis, or plan, or system, and getting it passed as a revenue law. It has a corollary that in fact is of precedential importance. This is the determining of what the Federal income should be spent for. It will do no good to lay out and set up a better tax-getting plan, if the amount of revenue deemed necessary is allowed to remain more than the taxpayers — that means business, and nothing else—can afford to pay. The big thing behind any well-purposed tax reform is and must be at least 60 percent "what for" and no more than 40 percent "whence and how."

Of course, if the one proper sort of tax system—a universal individual gross income tax—was adopted, there would follow soon or later a popular crying down of many forms of Federal spending. This opposition would more likely be detrimental than beneficial in its net results—popular demands run that way. Furthermore, it would require some time—a few years at least—to effect any changes in government spending that would be more than mere shifts.

More reasonable expenditure of government funds is wanted now. So is more reasonable taxation. These are Siamese twins or some such inseparables. But, they are things which business can produce—and in taxes, as well as in other things having to do with money the producing of things is the job of business.

—O-P-D—

Organization of an institute for medical research by one of the oldest and best-known pharmaceutical manufacturers in the country is unquestionably worthy of notice. It is gratifying to learn of the extent to which this undertaking has been given favorable mention in the public press. This is an outstanding development in one of the fundamental activities of the drug industry, and it serves well to focus public attention and interest on an aspect of the industry which is all too little known and practically lacks appreciation.

Drug Research Is Basic

Therapeutic, pharmacologic, and pharmacodynamic research is not something new in the drug industry; it is not a new development on the part of the manufacturer that has organized the institute for extension of this activity. The public, however, has not been told of the nature or the extent of this essential groundwork in the pharmacal field. In truth, the aspects by which the drug trade has been presented to the public are in large part of such nature that the public has had little reason to suspect that there was serious science behind them. The inadequate presentation, sometimes misrepresentation, of the drug trade to the public has not in most part been the work of the trade. There have always been innumerable illwishers ready to blacken its numerically negligible shortcomings—and to spread their muck promiscuously with little, if any, regard for the deserts of those besmirched. The major fault of the trade has been that, conscious of its own integrity, it was too much content to meet disparagement with contemptuous silence.

The public, not illogically, came to look upon this silence as that of consent, rather than of contempt. And the small group within the trade, which was thus permitted to exist to the detriment of the whole, continued to invite attacks in which none was spared. A movement has been started by several organizations in the drug and related industries with the purpose of correcting undeserved and detrimental public impressions. This movement comprises the publication of information that will place the industries in their true light before the public.

This study has already disclosed that the industries in the chemical group are spending more than $33,000,000 annually in research and development work in relation to existing, as well as new, products. The share of the drug industry in this expenditure is relatively large. This is impressive evidence of the industry's recognition and appreciation of the importance of its relations to the public. Research is the agency through which the better performance of a public service is attained. There is no greater public service than that of providing medicines for the sick. In this purpose research has an important role.

It is good for the public, as well as for the drug industry, to make generally known the efforts of the industry to improve its service to the public. And these efforts should be extended—and coincidentally made known — until undeserved maligning is deprived of all opportunity to thrive, or even fugaciously to be manifested.

—O-P-D—

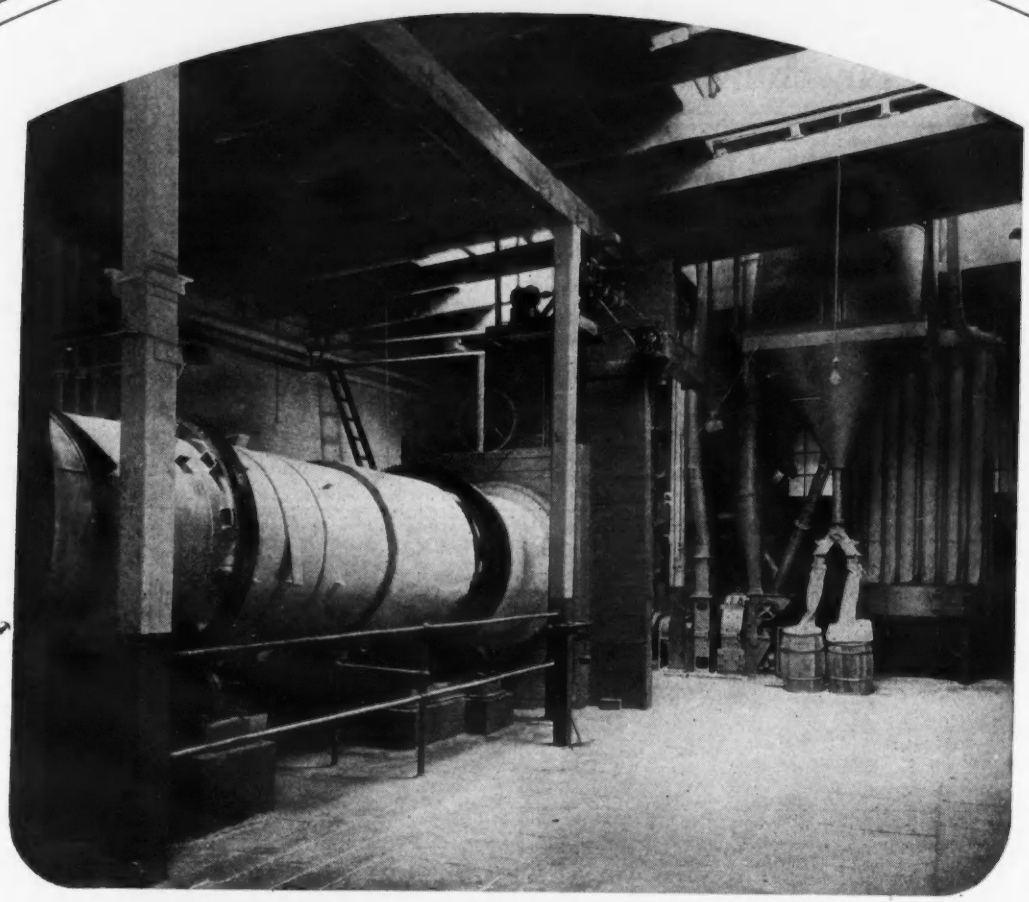
To a fellow who grew up in the horse and buggy age, as well as to a member of the motorized generation, it is clear that nothing will go any faster, farther, or better than can be expected as a result of the propulsive power applied to the making of it go. Insofar as getting the cart before the horse is concerned, in the field of propulsion the idea has been outmoded. But, business still clings to such things.

Which Is Vice Which Versa

One of these things is that as sales decrease and selling becomes more difficult, the indicated action is to cut down on advertising. Now, it is the outspoken declaration of those who believe in advertising that this is the motive force of trade. But, the actions of some believers, speaking louder than their words, testify that, instead of relying on advertising to pull the cart up the hill, they look upon this "motive power"—so-called—as something to put behind the cart on a downhill run to eat a goodly quota of the wherewithal that the cart contains.

Retail advertising, current reports have it, is about 11 percent less voluminous than it was a year ago. Something like the same proportion holds good for industrial and trade advertising. Retail sales and sales in the other fields are off about 11 percent from last year. Is the answer that the advertising horse, therefore, has that much less to eat out of the cart, or, reversing the equation—or the equine—that the cart goes less rapidly because the horse is not adequately urged? In other words, is the horse where he belongs and doing what he ought to?

ESTABLISHED 1849



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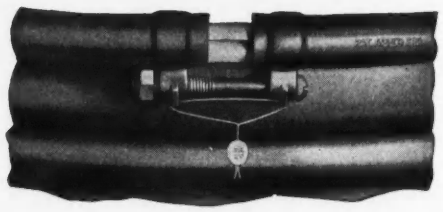
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Heavy Chemicals

Moderate Improvement in Some Heavy Chemicals Continues —Tungsten Derivatives Lower—Antimony Metal Higher —Alkalies in Fair Demand—Copperas Supplies Small

Moderate improvement in some sections of the market for industrial chemicals continued in evidence again last week. The betterment, however, is spotty with some seasonal chemicals experiencing a normal let down. Industrial pace was reported at about the highest level of the year. Cooler weather and end of vacations are expected to broaden buying in durable and non-durable industries. Changes in the market include higher quotations for antimony metal and lower prices for soda tungstate, tungsten oxide and tungstic acid.

Trade news continues to reveal improvement in business. Steel operations were reported at 42.4 percent of capacity, against 40.4 percent in the previous week. Rail loadings were the best so far this year; electric output continued its rising trend. With field stocks definitely down, Fall prospects were improved for the automotive industry. Builders are rushing plans to get into early production and expectations are that entrance of the automotive industry in the market for materials is only a matter of few weeks.

Alkalies were moving at a fair pace, at least better than any time this year. Antimony metal noted the first increase in price in some time. There was little change in the demand for arsenic. Demand for blue vitriol for commercial purposes displayed a fairly broad movement. Better weather conditions favored movement of calcium chloride. Calcium sulphide price schedule was revised. Business in chlorine was maintained at fair levels. Tungsten derivatives displayed an easier tone. Copperas supplies continued small, with available quantities well absorbed. Plating materials continued in a better position as the result of the automotive situation. Potash carbonate demand was slightly improved. Saltpeter was spotty. Withdrawals of refined sulphur were a shade more active. Sulphuric acid showed relatively little change. Business in calcium arsenate was maintained at fair levels.

Fears of a possibility of a general truck striking in New York city at the expiration date of the current agreement on August 31, led some companies to notify their customers to order for shipment before the date, any merchandise which may be required urgently the forepart of September.

Alums.—Quotations for the various alums were well maintained, and a steady to firm tone prevailed in the market last week. The call for alumina sulphate commercial and iron-free was holding fairly steady, while business in the market for ammonia and potash alums was reported as moderately active.

Ammonia, Anhydrous.—Weather conditions continue to dictate the trend of the market, and reports were to the effect that hot weather in most sections of the country was reflected in fair-sized withdrawals for refrigerating purposes. Prices ruled unchanged.

Ammonia Carbonate.—Sellers could point to a moderate interest in the market, foodstuff trade was making steady withdrawals, while other consumers were reported making their appearance from time to time for fair-size quantities. No change was disclosed in the quotations.

Ammoniac, Sal.—The call for the white and gray materials was spotty. Business from the dry battery trade was still quiet, although other consumers were reported making moderate commitments. No change was uncovered in the quotations.

Antimony.—Quotations for domestic spot antimony were advanced ½c. per pound to 11¼c. per pound. While business was reported as quiet, the higher price could be attributed to the fact that the metal has been declining for some time, with the domestic price considerably below the world market price. The antimony mine in Neustift, German Austria, which closed down after it had produced 15,000 metric quintals of antimony ore in 1936, is now being reconditioned, apparently with government aid. The ore is very low in grade, but some of it will contain 16 to 20 percent antimony ocide, which by concentration can be increased to 50 percent.

Arsenic.—The market for red and white arsenic displayed little change from the preceding period. The color trade was showing only moderate interest in the red material, while the glass and ceramic industry were making only necessary commitments of the white. Pricewise the market noted no change.

Barium Carbonate.—Business in the market for the natural and precipitated material was along routine lines. The call from the ceramic industry was for nearby requirements only. Other consumers were placing orders to meet urgent needs. Prices were without alteration.

Blue Vitriol.—A normal seasonal decline was witnessed from the agricultural consumers. However, the market for commercial purposes continued to display a fairly broad movement, with the demand for water purification holding steady. The export market remained active. Quotations were firm.

Calcium Chloride.—The appearance of warm and dry weather in several sections benefited the movement of this material; the season as a whole for dust control work was retarded by wet weather in the early months of the season. A considerable amount of small quantities was consumed for air condensation, the wet and humid weather brought inquiries from several sources for drying air in cellars, warehouses, bank vaults and storerooms. Sellers report the active season for warm weather use is nearly terminated, and the market will probably experience the usual lull for a month or so before withdrawals are made for ice control work. A steady to firm price tone prevailed.

Calcium Sulphide. — Quotations for calcium sulphide were revised last week. The current price schedule follows:—75 percent, CaS, bulk, car lots, 25 mesh, $42.50 per ton; bags, bulk, $45 per ton, and less car lots, $47.50 to $50 per ton. Prices for the 50 mesh, 75 percent grade are $1 per ton higher. Eighty percent, CaS, bulk, car lots, 25 mesh, $47.50 per ton; bags, bulk, $50 per ton and less car lots, $52.50 to $55 per ton, with quotations $1 per ton higher for the 50 mesh material. Above schedule is based on f.o.b. works.

Chlorine. — Business was maintained at fair levels for water purification and sanitation purposes. The outlook for increased consumption by the paper industry continued bright for the final quarter of the year, with reports of low inventories indicating the resumption of operations on a broader scale. A steady to firm price tone remained in evidence.

Copper. — Domestic copper dealings were quiet with local users showing little interest. Japanese sources, who had been active all of last week for prompt or nearby copper for export were not such a large factor in the

Price Changes

Prices were changed during the past week as follows:—

Advanced

Antimony metal, ½c. per lb.

Reduced

Acid, tungstic, 25c. per lb.
Soda tungstate, 25c. per lb.
Tungsten oxide, 25c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
149.2	149.2	149.2	154.4

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.6	99.6	99.6	99.8

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

market this week. Abroad business was more active and prices were higher at 10.19c. per pound. Certain copper ore imported from Cuba is properly subject to a tax of four cents per pound on the copper contained therein under section 601, Revenue Act of 1932. The provisions of the 1902 reciprocal treaty between the United States and the Republic of Cuba do not apply to the aforesaid tax, although such tax has been held to be a customs duty within the meaning of the tariff law.

Copper Salts.—A steady to firm price tone predominated the dealings in the market for various copper derivatives last week. The red and black oxides of copper were fairly well taken, while the demand for copper chloride, nitrate, carbonate and cyanide were for small quantities.

Copperas.—The supplies of this material continued small, the available supplies were fairly well absorbed, with the demand for water sanitation purposes supplying the bulk of the business. Steel operations last week were scheduled at 42.8 percent of capacity, compared with 40.4 percent in the preceding week and 83.8 percent in the corresponding period a year ago. The price tone remained firm.

Fluorspar.—While sellers could point to a slight improvement, business in the market continued well below normal levels, with interest from the abrasive and ceramic trades along routine lines. Prices were without change.

Glauber's Salt. — Movement of this material was reported at fair levels, with the dyestuff, textile and leather industry displaying a moderate interest. Price schedules were unaltered.

Magnesite. — Business in the market showed some signs of reviving, reflecting to some degree the better activity in the building trades. Prices were without change. The Venezuelan Government is very much interested in developing the magnesite properties on the island of Margarita, not so much for revenues, perhaps, as to furnish a livelihood for some 60,000 people on the island who have almost no employment, yet wish to remain there. So far no other deposits of magnesite of any importance are known in Venezuela, at least none has been operated. The deposits were first exploited in 1907, the material being used for manufacturing carbon dioxide gas as well as calcined magnesite. After many ups and downs, including inefficient organization of the operation, an embargo during the World War, and litigation, the properties are being considered again for exploitation. For the entire island of Margarita reserves are estimated at 450,000 tons. Some 2,000 tons ready for shipment was the figure for stocks submitted to the Bureau of Mines. Magnesite has no market in Venezuela at present, and is of use only for export, another reason why the government can scarcely take up the mines without a definite market in prospect.

Nickel Salts. — The call from the planting trade continued along routine lines for the most part. Expectations of larger withdrawals were bolstered somewhat by extensive preparations announced from automotive centers in preparation for the new models, and operations are expected to increase gradually from now on. Prices continued steady to firm.

Potash Carbonate.—Movement of this material was slightly improved; the improvement could be traced to a more active interest from the textile and glass consuming trades. A steady to firm tone continued to govern the dealings.

Potash, Caustic.—The market continued to display a fairly active interest on the part of major consumers, such as the textile trade and soap industry. Pricewise the market was without particular feature, with a steady tone in evidence.

Potash Cyanide. — There was little new to report in this direction last week. The call for case hardening and electroplating was quiet, although prospects of improvement were brighter for the final quarter. No change was disclosed in the quotations.

Potash Permanganate.—The call for bleaching purposes and water purification was along moderate lines for the most part. There was nothing new to report in the price schedule.

Saltpeter. — Although demand was spotty, reports were to the effect that some consuming interests were showing a more active inquiry in the market. Withdrawals for meat curing purposes was slightly improved, and expectations were that meat packers would be more active later in the year, when cooler weather usually stimulates business. Quotations ruled steady to firm.

Soda Ash.—A fair movement of material was reported in the market last week. A more active demand from the textile consuming trade was still experienced, while other large consumers such as the glass, rubber and paper industry made their appearance for moderate quantities. Price schedules ruled unchanged.

Soda Bisulphite.—Usual consumers of this material for bleaching purposes were reported making fair sized commitments, reflecting to some degree the improvement in the textile and leather industries. No change was disclosed in the quotations.

Soda Caustic.—A broader demand was in evidence throughout the past week. Better rayon operations were proving a definite benefit to the market, while other large consumers were commencing to take a slightly more active interest in this direction. Prices ruled unchanged.

Soda Cyanide. — Although current business was along quiet lines, the respects for definite improvement in the final quarter was awaited as the result of extensive preparations by the automotive industry for new models. Quotations were in conformity with the preceding week.

Soda Hydrosulphite. — Improvement in the textile industry was reflected in a broader inquiry from several sources for bleaching and dyeing purposes. A steady to firm tone prevailed.

Soda Phosphate.—The market continued to enjoy a diversified demand from the many consuming channels. Movement of the mono-di and tri material was maintained at fair levels. Price schedules were maintained at previous levels.

Soda Sulphite.—A fair interest was displayed in this direction throughout the week just closed. Quotations failed to show any fluctuation from previously established levels.

Soda Tungstate.—Quotations for the C.P. and technical were lowered 25c. per pound, making prices for the C.P. $1.75 to $1.85 per pound; technical, $1.05 to $1.10 per pound. Dullness continued to characterize the dealings in the market.

Sulphur, Refined. — Withdrawals of this material were slightly better, although basic consuming industries continued to display cautious purchasing policies, the appearance of some orders indicated an improvement in operating schedules. Prices were without alteration.

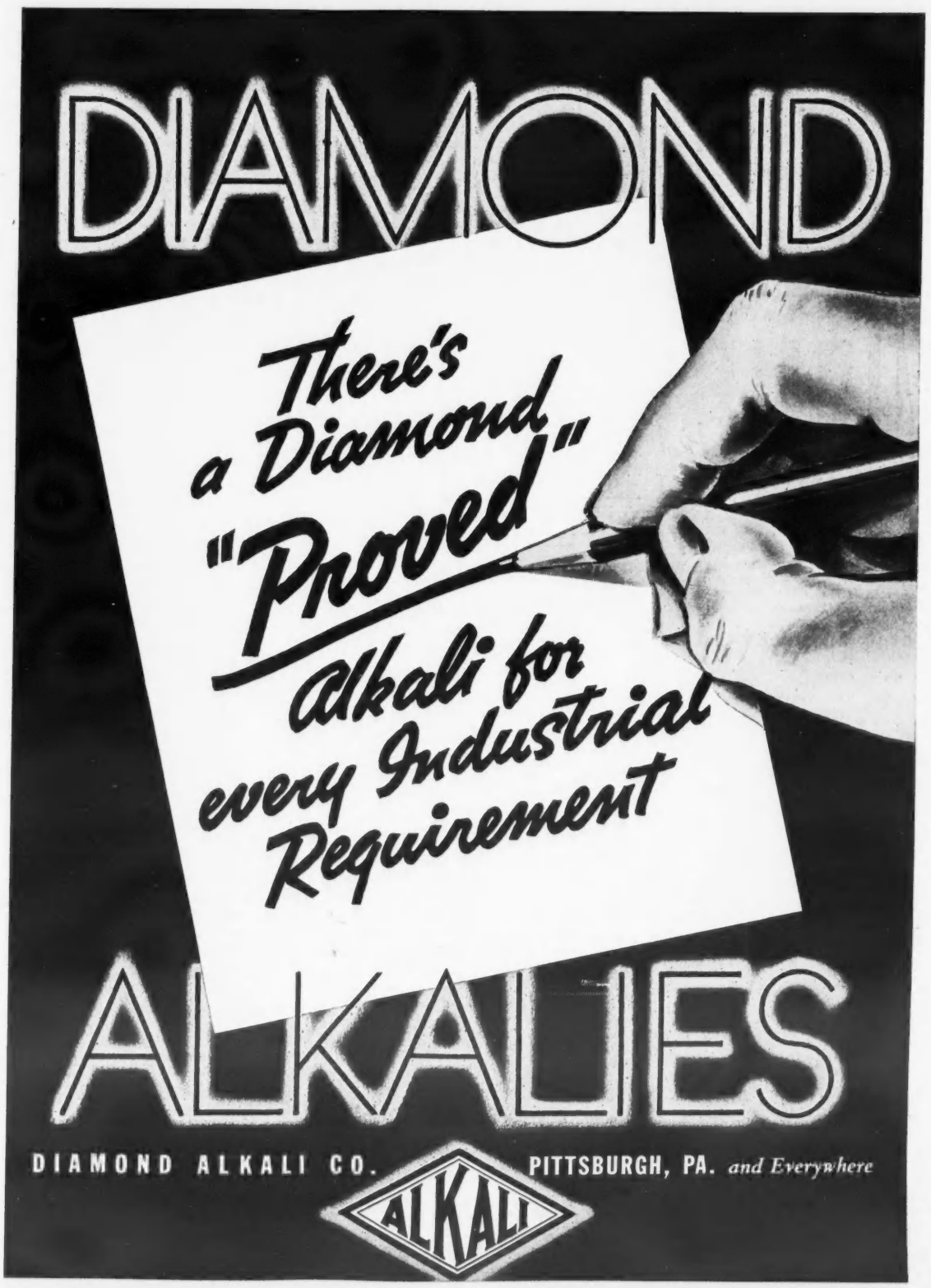
Tin Salts.—A steady tone prevailed in the market for various tin derivatives last week, with quotations maintained at previous levels. Business was reported at moderate levels. World visible stocks of tin decreased by 1,935 tons during July to 29,447 tons on July 31 and compared with 25,042 on July 31, 1937, according to the International Tin Research Council. A comparison of the statistics of apparent consumption in manufacture indicates that consumers stocks have increased by over 7,000 tons in the first half of this year. This makes a total increase of 30,000 tons since the beginning of 1937.

Tungsten Metal Powder.—Quotations for the 99 percent metal powder was $2.80 to $3 per pound at the works, a reduction of 10c. per pound for the small quantities. The C.P. and technical grade of tungsten oxide were lowered 25c. per pound at $2.65 to $2.75 per pound and $1.85 to $1.95 per pound, respectively. Business was described as quiet.

Acids

Movement of the various mineral acids into consuming channels continued at a moderate pace during the past week. Some acids finding use in the textile and leather trades were reported to be in better demand. Price changes included lower quotations for tungstic acid. Acetic, formic and muriatic were reported in slightly better demand, reflecting improvement in the textile and leather industries. Sulphuric showed relatively little change, although the outlook continued brighter. Nitric continued to mark time. Oxalic demand was well diversified. Chromic acid continued in mild demand, although increased automotive activity

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7



was expected to improve the market considerably.

Acetic Acid. — Shipments were reported slightly more active in most sections last week. The improvement could be traced to the improved textile demand. Price schedules were unchanged. Exports of acetic acid from Japan during the first five months of 1938 amounted to 1,049,760 kilos at a value of 334,186 yen, these totals showing reductions of 27 percent and 43 percent, respectively, when compared with the corresponding shipments in 1937. According to trade reports, the deadline in exports of acetic acid during 1938 was caused mainly by German operations in ovreseas markets depressing prices to such an extent as to cause Japanese exporters to be faced with a total loss of their export business. It is reported that these exporters are now considering what counter measures can be taken, according to the American commercial attache at Tokyo.

Chromic Acid.—Only a mild interest prevailed in the market. Demand from the plating trade was expected to increase, however, later in the year when automotive operations reach more normal proportions. Prices ruled unchanged.

Formic. — A fair amount of activity was reported for the market last week. Quotations were without alteration.

Muriatic.—Reports that some principal consumers were taking a slightly better interest in the market were prevalent last week. Pricewise the market noted no change.

Nitric. — The market continued to mark time, with large consumers content to order for nearby requirements. No change was disclosed in the quotations.

Oxalic. — Demand continued well diversified, with the call for small quantities the general rule, however, some large consumers made their appearance from time to time. Quotations ruled steady to firm.

Sulphuric.—The situation in the market showed relatively little change from recent weeks. Improved operating schedules in some basic consuming industries was soon expected to be reflected in more normal commitments from these sources. Steel operations last week continued their upward trend, while plans for early production of new automotive models were cited as favorable developments. Pricewise the market failed to record any change, and price schedules were reported steady.

Tungstic Acid. — Quotations for the C. P. and technical material were lowered 25c. per pound, making prices $2.60 to $2.85 per pound and $1.65 to $1.75 per pound, respectively. Business continued dull.

Baltimore, Aug. 24.—With the continuation of quiet in the market for sulphuric acid, there has been no shifting in market conditions during the last week, with the situation unchanged, and with the buying interest little, if at all, stimulated. The quotations of $12 per ton for 60 degree and $15 per ton for 66 degree acid, are firmly adhered to. About the same state of affairs prevails with regard to oleum, which material is unchanged at $17 per ton for 20 percent stocks.

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Insecticides

Business in the market for calcium arsenate was maintained at fair levels last week. Although the active season is nearing its end, reports of continued wet weather in some important cotton growing states kept interest at fair levels. Demand for soda arsenite was expected to benefit from reports of spasmodic grasshopper outbreaks in some sections. Lead arsenate remained a routine affair. Pricewise the market noted no change.

Swarming over millions of acres of cotton in the Mississippi Delta, aided by ideal weather and their other allies, storms, red spiders and army worms, boll weevils have cut the potential harvest in many counties to 50 percent. Mid-South farmers have been hampered by rains and heavy winds, and efforts in many areas to exterminate the pests have been futile. The continued rains and showers, which have increased damage from bollworms, weevils and leafworms, have caused a marked drop in the Texas cotton crop. Farmers in many regions, particularly Central, East and West Central Texas, have spread poison four times in an effort to eradicate the pests, but showers and more rains have hindered their operations. Reports of grasshopper ravages were becoming a serious threat to the Miami Valley cigar leaf tobacco crop.

Calcium Arsenate. — Continued wet weather in some important cotton growing states kept the demand for calcium arsenate at fair levels last week. Farmers in Texas have been hindered by continued rain in an effort to eradicate bollworms, weevils and leafworms, while in the mid-South rains and heavy winds hampered efforts to exterminate the pests.

Lead Arsenate.—Developments of importance were lacking in the market last week, and only a routine interest was displayed in this direction. Quotations ruled steady to firm.

Soda Arsenite.—Spasmodic grasshopper outbreaks in some sections created a belated demand for this material. Grasshopper ravages were becoming a serious threat to the Miami Valley cigar leaf tobacco crop, it was reported last week. Price schedules remained unchanged.

Magnesite concentration by flotation processes applicable to low-grade ores is discussed by H. A. Doerner and Dwight L. Harris in a bulletin on cooperative work of the United States Bureau of Mines and the State College of Washington. The bulletin, designated as P-1, is obtainable at 25 cents a copy from the Mining Experiment Station and State Electrometallurgical Laboratories, Pullman, Wash.

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Glass Center Dedicated At N.Y. World Fair

The combined exhibits of the Owens-Illinois Glass Company, Toledo, Ohio; the Pittsburgh Glass Company, Pittsburgh, and the Corning Glass Works, Corning, N. Y., will be housed in the Glass Center of the New York World's Fair. The first structural glass blocks of the center were placed August 23 at the fair site in Flushing.

The center's displays will depict the history and progress of the industry in the United States. The building, situated on the Avenue of Pioneers, is semi-circular in shape and will be surmounted by a 108-foot tower of blue plate glass and glass block. William E. Levis, president of the Owens-Illinois Glass Company; H. S. Wherrett, president of the Pittsburgh Plate Glass Company, and Amory Houghton, president of the Corning Glass Works, witnessed the ceremony.

Matches Industry Returns Show Improvement for 1937

Employment and production in the matches industry showed slight increases for 1937 as compared with 1935, according to preliminary figures compiled from returns of the recent biennial census of manufactures released today by Bureau of the Census. The number of wage-earners in this industry increased 3.7 percent, from 5,075 in 1935 to 5,261 in 1937, while their wages increased 14.9 percent, from $4,693,499 to $5,391,827. The value of products made in this industry in 1937 amounted to $30,902,138, a gain of 1.5 percent over $30,440,480 reported for 1935.

The number of establishments was twenty-five in 1937, compared with twenty-four in 1935. The cost of materials totaled $20,213,974 in 1937, against $19,039,327, and the value of products was estimated at $30,902,138, compared with $30,440,480 in 1935.

Kind of Products

	1937.	1935.
Matches, total	30,872,483	30,414,172
In boxes—		
Strike anywhere—		
Boxes containing more than 100	12,795,685	17,467,588
Boxes containing not more than 100	5,532,721	2,409,423
Strike on box, plain	3,357,932	4,112,409
In books	9,186,145	6,424,752
Other products (not normally belonging to the industry)	29,655	26,308

F.T.C. Charges for Varying Discounts Hit Tile Companies

Eight complaints have been issued by the Federal Trade Commission charging certain manufacturers of tile with violation of the Robinson-Patman Act by discriminating in price between different purchasers of tile of like grades and qualities.

The respondent companies are:—the Superior Ceramic Corporation, Anderson, Ind.; the Trent Tile Company, Trenton, N. J.; the Mosaic Tile Company, Zanesville, Ohio; C. Pardee Works, Perth Amboy, N. J., and the Matawan Tile Company, Matawan, N. J., and their jointly owned distributing agency.

Containing substantially the same allegations, the complaints charge that the respondent companies, in the sale of tile, allow discounts, varying from 5 to 15 percent, to certain of their customers designated as wholesalers, which discounts are denied to certain other of their customers designated as contractors.

The complaints allege that the designated wholesalers are in fact retailers, in that they sell directly or indirectly to the ultimate consumer, and thereby are in direct competition with the contractors in the sale of tile. The respondent companies are alllowed 20 days to answer the complaints.

Tin Half-Year Output Off

World production of tin during the first six months of 1938 totaled 82,600, according to the International Tin Research & Development Council. This compared with 94,600 tons in the first six months of 1937. World apparent consumption of tin in the first half of 1938 was 280,900 tons, or approximately 17 ½percent below the total of 98,200 tons for the corresponding period in 1937. Consumption of tin showed a decrease in the United States, United Kingdom and Canada in the first half of 1939, but increased in Russia, Japan, Italy, Sweden and France. World visible stocks at the end of July was 29,447 tons, compared with 25,042 tons at the end of July, 1937.

Chemical Workers And Payrolls Down

—*Continued from page 5*

Payroll Totals

(100=1923-25 average)

	July. 1938.	June. 1938.	July. 1937.
Chemicals	116.3	117.2	153.9
Cottonseed oil, cake and meal	45.9	42.9	35.3
Druggists' preparations	112.8	114.8	112.0
Explosives	92.4	89.3	103.8
Fertilizers	63.0	66.3	77.1
Paint and varnishes	113.9	118.2	138.3
Petroleum	135.4	136.6	143.1
Rayon and allied products	266.1	258.1	392.9
Soap	109.0	107.1	116.9

Data compiled by the Bureau of Labor Statistics for basic nonmanufacturing industries related to the chemical industries afforded the following comparisons on the basis of the 1929 average:—

	Employment.		Payroll totals.	
	July. 1938.	June. 1938.	July. 1938.	June. 1938.
Metalliferous mining	50.7	55.0	38.8	45.4
Quarrying and nonmetallic mining	44.2	43.6	37.2	36.9
Crude petroleum producing	72.9	72.6	67.8	67.4
Dyeing and cleaning	108.2	11.5	77.2	82.6

Employment in New York

Employment in factories producing chemicals and related products in New York State was unchanged from June, but showed a decrease of 2.7 percent in the city, according to the records of the State Department of Labor.

General factory employment increased 1.0 percent from June, and payrolls increased 2.0 percent during the same period. The department's index of employment for July was 72.3 percent. The payroll index was 64.9 percent. These indexes are based on the average years 1925-27 as 100.

July Compared with June

	Percentages— State.	City.
Drugs and industrial chemicals	+1.7	— 0.8
Oil products	+0.1	— 0.8
Paints and colors	—2.1	— 3.2
Photographic and miscellaneous chemicals	+0.6	—17.8

Prior Chemical Corp. House Organ Discusses Glassmaking

The August issue of *Priorities*, house organ of the Prior Chemical Corporation, sole sales agent for Standard Bichromates Company, New York, is devoted to the story of glass. The tradition is told of its first manufacture by a band of hungry sailors, as is the historical fact that rich Romans once hid their treasured window panes upon leaving home. The article speculates upon the relative values to man of window glass letting light and cheer into homes and shops, and optical glass letting enlightenment into the mind through the lenses of eyeglass, microscope and telescope. Spun glass clothing, glass building blocks and panels, health glass, thermal glass, non-fogging mirrors, glass shoe soles, one-way-vision glass, and the chemicals and processes of manufacture are briefly treated.

Trade Briefs

Oscar Lind, of the Dow Chemical Company, this city, is vacationing in New Hampshire and Maine.

L. M. Brock, sales manager for the Church & Dwight Company, this city, returned August 15 from a vacation at Lake George, N. Y.

B. T. Heffner, chemical sales manager for the International Selling Corp., this city, is spending a two weeks' vacation at Smoky Mountain, Tenn.

Ralph Buck, of Grasselli chemicals department of E. I. du Pont de Nemours & Co., Empire State building, this city, left August 19 for a two weeks vacation.

Filtrol Company, Los Angeles, Calif., plans the construction of a new laboratory on a 2½-acre site recently purchased adjoining its clay products plant at 1755 Downey road.

W. R. Phibbs has been appointed assistant to the president of the Jones & Laughlin Steel Corporation. He has been with the company since 1936, having been assigned to special work.

Carbon monoxide detection and determination methods are comprehensively described by L. B. Berger and H. H. Schrenk in a bulletin (Technical Paper 582) published by the United States Bureau of Mines. The bulletin may be procured from the Superintendent of Documents, Government Printing Office, Washington, at 10 cents a copy.

Dyestuffs, Textile and Leather Chemicals

Prospects of Broader Mill Operations Brighten Outlook—Tanning Material Well Taken—Bichromates Steady—Zinc Dust Firm—Corn Derivatives Unchanged

With indications now pointing to a definite broadening in mill operations, the outlook for dyestuff, textile and leather chemicals continued cheerful. Sellers were able to report a continuance of the moderate improvement in business last week. Cooler weather found reflection in improved retail trade. Moderate upturn in activity in cotton gray goods was reported; tanners are looking to Labor Day as the probable time of renewed interest, with new orders expected to come in after the Leather show. There was no disposition to alter prices in either direction, and a steady to firm tone prevailed in the market.

Tanning materials were reported to be in better demand. Myrobalans were firm, business was reported at a steady pace, with some interests showing less hesitation in covering Fall requirements. A comparative good movement of quebracho extract was reported. Shoe manufacturers continued active with appreciable orders on hand, and expect to maintain current operating schedules until reorders appear. Bichromates continued to enjoy comparatively good support from the textile and leather trades. Alumina chloride chloride was in fair demand, better woolen mill operations was a definite benefit to the market. Zinc dust held firm. Egg products were steady to firm, imported material continued to come in on a restricted level. Dextrin and starch were taken in better volume, with some consumers taking advantage of the lower level established recently. Natural dyestuffs were moderately taken. Business in logwood and hypernic were reported at fair levels, and prices well maintained.

Cotton consumed during the month of July amounted to 449,511 bales. Cotton on hand in consuming establishments on July 31 was 1,266,983 bales, and in public storage and at compresses 9,641,201 bales. The number of active consuming cotton spindles for the month was 21,916,166, according to the United States Census Bureau.

Price Changes

Prices were changed during the past week as follows:-

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
151.7	**151.7**	**151.9**	**155.2**

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Chloride.—With some textile consumers operating at relatively good levels with orders booked earlier in the year, the market continued to enjoy fair buying support from mills. Prices ruled firm.

Antimony Salts.—The market still was chiefly concerned with moderate withdrawals, with usual consumers making their appearance for nearby requirements. No change was disclosed in the quotations.

Potash Bichromate.—Interest from the textile and tanning trades was fair last week. Some degree of caution was noticeable, however, with commitments held to meet current operating schedules. No change was reported in the quotations.

Potash Prussiate.—The market noted no change in prices, and business was described as moderate, with the textile and leather industry supplying the chief interest.

Soda Bichromate.—The market continued to enjoy comparatively good support from principal consuming channels in line with improved production schedules in the textile and leather trades. A steady to firm tone governed the dealings.

Zinc Dust.—A firm tone continued to predominate the dealings. Usual consumers made their appearance from time to time for moderate size quantities.

Dyestuffs

Annatto.—There was little of importance to report in the market last week. Sellers report a fair interest for the seed and past material from silk and cotton mills. Quotations ruled unchanged.

Archil.—Dyestuff manufacturers were inclined to order out quantities commensurate with nearly requirements. Pricewise the market retained its steady to firm tone.

Hypernic.—Sellers could point to a slightly better interest from some consuming sources, although a cautious purchasing policy remained in evidence. No change was disclosed in the quotations.

Logwood.—Business was maintained at fair levels throughout the past week. The textile and tanning trades made their appearance from time to time for moderate quantities. Prices ruled unchanged.

Madder, Dutch.—Some interest was manifested in the market from the wool dyeing trade, reflecting more activity in wool production by most mills. Quotations ruled steady to firm.

Sizing Material

Albumen, Egg.—The market offered little in the way of new developments throughout the past week. Business continued at quiet levels for the most part. Price tone remained steady to firm, reflecting the strength in the shell egg market.

Dextrin.—A steadier tone prevailed in the market during the week just closed. Sellers report interest in the market has been stimulated somewhat by the lower levels established recently. Corn remained steady last week, with export demand reported at good levels. Visible supplies of corn for week ended August 20 amounted to 10,482,000 bushels, compared with 11,497,000 bushels in the preceding week and 5,798,000 bushels in the corresponding week a year ago.

Egg Yolk.—A firm tone continued to govern the dealings. Business was reported at fair levels. Domestic material was available at 64c. to 66c. per pound, according to quantity. Export market continued negligible.

Starch.—Business in the market for the various starches was reported as slightly improved. The call for corn starch was accelerated by the lower prices prevailing. Pricewise the market noted no alteration. From the Ohio valley eastward and northward the corn crop continues in good to excellent condition quite generally and is maturing rapidly. Prospects are somewhat lowered in many localities in Illinois because of the late arrival of needed rainfall, though some improvement is shown in Western Kentucky where it was previously too wet.

Tanning Material

Cutch, Philippine.—Tanning interests were reported coming in the market for fair sized withdrawals throughout the week just closed. Pricewise the market noted no change.

Mangrove Bark.—A steady to firm tone prevailed again last week. Business was reported at a steady pace, with some interest showing less hesitation in covering for Fall requirements.

Myrobalans.—The market for various myrobalans noted no price changes. Sellers described business as slightly improved, with some tanners making their appearance more frequently.

Quebracho Extract. — Movement of this material into principal consuming channels was maintained at comparatively good levels during the week under review. Prices were steady to firm.

Sumac. — Quotations for the ground and leaf material remained unchanged. With the approach of the Fall season, some tanning interest, were covering their requirements more rapidly.

Valonia.—The call for the beards and cups was described as steady, with the volume of orders reported in some quarters exceeding the previous period. Pricewise the market remained unaltered.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Celanese Corp. Patents Upheld

The validity of the Camille Dreyfus patents, held by the Celanese Corporation, covering a process for the manufacture of fused collars was upheld in the Federal Circuit Court of Appeals, this city. Two cases were before the court, one instituted by the Celanese Corporation against the Essley Shirt Company, and the other by Trubenizing Process Corporation against F. Jacobson & Sons. In the former case the court found the Dreyfus patents infringed by the Essley Shirt Company. In the latter, the court sustained the decision of Federal Judge Cox, who found that claims of the Trubenizing Process Corporation, owner of the Benjamin Liebowitz patents, to be invalid for lack of patentable invention.

Bluing Industry Returns For 1937 Show Betterment

A considerable increase in wages and in the value of products was reported by establishments producing laundry bluing in 1937 as compared with 1935, according to preliminary figures compiled by the Bureau of the Census. Wages paid in 1937 amounted to $69,129, an increase of 25.2 percent over $55,204, the figure reported for 1935, and the value of the products made in the industry increased from $911,776 for 1935 to $1,128,529 for 1937, or 23.8 percent.

The number of establishments operating in 1937 was fourteen, compared with fifteen in 1935. The cost of materials amounted to $350,368 in 1937, against $286,095 in 1935. The value of products was estimated at $1,128,529 in 1937, against $911,776 in 1935. The value added by manufacturers was $778,161, against $625,681 in 1935.

Warner D. Huntington, director of fertilizer sales of the American Cyanamid Company, this city, is desperately ill in a San Francisco hospital. Mr. Huntington recently underwent an operation in Honolulu for removal of a brain tumor and arrived back in this country August 17. Since them another tumor has formed.

Bids Wanted

Alcohol, Denatured:—20,200 gallons; Purchasing Agent, Post Office Department, Washington, D. C.; procurement 705, opening August 31.

Ammonium Chloride:—2,000 pounds; Naval Supply Depot, Norfolk, Va.; schedule 9639, opening September 1.

Antimony, Persulphide:—1,400 pounds; Commanding Officer, Frankford Arsenal, Philadelphia, Pa.; procurement 137, opening September 1.

Calcium, Resinate:—2,500 pounds; Commanding Officer, Frankford Arsenal, Philadelphia, Pa.; procurement 139, opening September 1.

Drugs, Chemical:—17 items; Assistant Director, Bureau of Prisons, Department of Justice, Washington, D. C.; schedule 1570, opening September 2.

540 items; Assistant Director, Bureau of Prisons, Department of Justice, Washington, D. C.; schedule 1568, procurement 1568, opening September 12.

Iron Ammonium Citrate:—200 pounds; Supply Office, Navy Yard, Philadelphia, Pa.; requisition P-85-NSA, opening August 30.

Oxalate:—200 pounds; Supply Office, Navy Yard, Philadelphia, Pa.; requisition P-85-NSA, opening August 30.

Fertilizer:—49 tons; Warden, Federal Reformatory Camp, Petersburg, Va.; procurement 81, opening August 30.

Gasoline, Aviation:—6,000 gallons for Anacosta, 4,000 gallons for Dahlgren; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 4300, opening September 1.

Lead:—300,000 pounds of antimony alloy; Commanding Officer, Frankford Arsenal, Philadelphia, Pa.; procurement 135, opening September 10

Oxide:—2,800 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 140, opening September 15.

Sulphocyanate:—2,000 pounds; Commanding Officer, Frankford Arsenal, Philadelphia, Pa.; procurement 139, opening September 1.

White:—1,000 pounds; Quartermaster Supply Officer, Army Base, Brooklyn; procurement 626-42, opening September 6.

Lime, Agricultural:—30 tons; Warden, Federal Reformatory Camp, Petersburg, Va.; procurement 81, opening August 30.

Magnesium, Powdered:—6,000 pounds; Commanding Officer, Frankford Arsenal, Philadelphia, Pa.; procurement 138, opening September 1.

Paint:—7,400 gallons; Quartermaster Supply Officer, Army Base, Brooklyn; procurement 626-42, opening September 6.

Pitch, Coaltar:—2,500 pounds; Quartermaster, Fort Reno, Okla.; procurement 731-6, opening September 6.

Oxalate:—800 pounds; Commanding Officer, Frankford Arsenal, Philadelphia, Pa.; procurement 139, opening September 1.

Peroxide:—6,000 pounds; Commanding Officer, Frankford Arsenal, Philadelphia, Pa.; procurement 139, opening September 1.

Contracts Awarded

Insecticide:—500 gallons; awarded to the Gulf Oil Corporation, Batou, at 90c. a gallon by CCC; procurement 14, opening July 30.

Solvent:—10 drums; awarded to E. I. du Pont de Nemours & Co., Wilmington, by the Federal Prison Industries, Lewisburg, Pa., at $57.85 per 650-drum; procurement 566, opened August 10.

Newsprint Mill for Texas

A newsprint mill will be constructed in Lufkin, Texas, at a cost of approximately $7,500,000. The mill, having an annual capacity of 50,000 tons of newsprint, will be operated by the Southland Paper Mills, Inc., of which Ernest L. Kurth is president. The output of the mill has been contracted for by twenty Southern newspapers. It is also planned to manufacture kraft and other papers.

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Coaltar Chemicals

Improved Steel Operations Held Aid to Coking Production—Benzol Shortage Continues—Imported Naphthalene Easy—Solvent Naphtha, Toluol and Xylol Slightly Improved

Movement of coaltar chemicals displayed relatively little change from the preceding week. Major companies of basic coaltar products were content to mark time, and the disposition to place orders for urgent requirements continued to prevail. Benzol stood out as the firm spot in the market by virtue of the inadequate supplies. A fair interest for coaltar intermediates and colors continued. Pricewise the market was steady to firm, with the only change noted was slightly lower quotations for imported crude naphthalene.

While the market for benzol continued to be confronted with short supplies, considerable interest was attached to the gradual increase in steel operations. Last week steel operations were scheduled at 42.8 percent of capacity, compared with 40.4 percent in the preceding week. The improvement in steel operations was expected to eventually have some effect on coking operations. In some sections shipments of by-product coke are decidedly improved, and reports of coke producers shipments for the first half of August running 40 percent ahead of the previous month were heard.

Coaltar solvents showed some measure of improvement and reports were to the effect that inquiries for solvent naphtha, toluol and xylol were commencing to make their appearance from sources that have been out of the market for some time. However, much attention was focused on the automotive industry to supply the major interest. Automotive manufacturers are rushing plans on the 1939 models and operations are expected to be in full swing in a few weeks. Cresol and cresylic acid displayed little in the way of renewed buying interest. Creosote oil was a routine affair. Phenol noted a fair inquiry from some consuming sources. Crude and refined naphthalene remained dull, although prospects of a pick up later in the year were held to be encouraging. Imported naphthalene displayed further easiness, and quotations were heard at lower levels, reflecting the easier tone abroad.

Intermediates and colors continue to display a moderate interest on the part of consumers. Anilin and anthraquinone were well taken by dyestuff manufacturers. Phthalic anhydride was irregular. Coaltar acids were firm. Anthranilic and maleic were in moderate demand.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Naphthalene, imp., crude, 10c. per 100 lbs.

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
125.9	**125.9**	**125.9**	**127.2**

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—The market for benzol continued to be confronted with inadequate supplies to meet the demand. The short supplies made for a firm tone in the market. Steel operations last week were scheduled at 42.8 percent of capacity, compared with 40.4 percent in the preceding week, 37.0 percent last month and 83.8 percent in the corresponding period a year ago. Predictions vary as to the extent of subsequent gains in steel production during the remainder of the year, with the automotive industry thought likely to be the principal factor in determining the trend. In some sections, shipments of by-product coke are decidedly improved, directly reflecting better foundry operations. In some instances, coke producers shipments for the first half of August are running 40 percent ahead of the same period a month ago. This encouraging increase in coke movements is the first really substantial gain in over a year.

Cresol.—Business in the market has failed to show any appreciable gains during the past week. The call for disinfectant purposes and synthetic resin industry were without particular feature. The various grades of cresol continued steady to firm as far as prices were concerned.

Creosote Oil.—Withdrawals against contracts were reported on a moderate scale throughout the past week. Dealings in the spot market were of a negligible character. There was little disposition on the part of large consumers, such as the railroads and public utilities to place commitments beyond nearby requirements. Prices ruled unchanged.

Cresylic Acid.—Demand for this material continued light throughout the past week. The synthetic resin industry and other large consumers apparently were content to mark time, and place commitments when needs became urgent. Domestic quotations remained unaltered. The import market continued easy, and business was at a low level. Total imports of cresylic acid into Uruguay during 1937 amounted to 206,086 kilos, compared with 175,138 kilos in the preceding year, according to the American legation at Montevideo.

Naphthalene.—New business was still scarce. The season for the refined material has about run its course, while the crude material finds little demand at this time. Sellers were looking forward to a pickup later in the year. Domestic quotations ruled unchanged. Business in the import market was quiet, and quotations were reported at the $1.50 per hundred pound level, reflecting to some degree the easier prices abroad.

Phenol.—With some major consumers still on the side lines, the market moved through a routine period last week. The call from the plastic and synthetic resin industry failed to display much activity, other consumers, however, were showing a fair amount of interest at times. The export market remained relatively quiet. Pricewise the market continued steady to firm.

Solvent Naphtha.—The market gave some indications of picking up slightly. Some consumers were reported making their appearance for fair-sized quantities to cover nearby requirements. Prices ruled unchanged.

Toluol.—While major consumers were still marking time, sellers could point to a fair interest from some sources. Reports of an early revival in automotive productions was still held as the chief encouraging factor. Prices were steady to firm.

Xylol.—The call from the lacquer trade continued along routine lines for the most part. Some consumers were making inquiries recently that have been out of the market for some time, indicating that inventories were at a low level. Prices were unchanged.

Chicago Coaltar Bases

Tone has become increasingly strong in the various grades of coaltar materials here recently. Prices are still holding at around previously ruling levels, but it is somewhat harder to get all the material wanted in quantities desired, it is said. Benzol is strong. Increasing steel industry operations, now anticipated, may partly offset this condition. Ruling prices exclusive of tax are:—Benzol, 16c. to 17c. per gallon; motor benzol, 10½c. to 11c.; toluol, 23c.; 10-degree xylol, 28c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic.—A moderate demand continued the rule in the market throughout the week just ended. The market offered nothing new in the way of price developments.

Benzoic.—The call for the technical material was described as holding fairly steady, but consumers were inclined to

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

order for nearby needs in the majority of instances. Prices ruled unchanged.

Cleve's.—The market moved through another routine period. Usual consumers made their appearance for modest quantities. No change was uncovered in the quotations.

Maleic.—Shipments for the account of intermediate manufacturers and the textile trade were relatively steady last week. Sellers could point to a slightly improved demand. Prices were unaltered.

Salicylic.—The technical material showed some interest on the part of principal consumers, but the disposition was to order for immediate requirements. Quotations were in conformity with the previous period.

Sulphanilic.—The call from dyestuff manufacturers was fairly well maintained last week. Pricewise the market remained steady to firm.

Other Intermediates

Anilin.—Business in the market continued fairly steady throughout the week. Sellers could point to a better interest from dyestuff manufacturers for moderate quantities. Quotations were without change.

Anthraquinone.—Interest in the market was held at moderate levels. Reports of improved inquiries from dyestuff manufacturers was quite general. A steady to firm price tone prevailed.

Benzaldehyde.—A steady to firm tone continues in evidence throughout the week. Business was reported as moderately active, with small orders making their appearance more frequently.

Dimethylaniline.—Shipments were described as moving at a fair pace. However, as a rule commitments were confined to moderate proportions. Prices ruled unchanged.

Dinitrophenol.—Business in this direction was of a routine character for the most part. Quotations were well maintained at previous levels.

G. Salt.—Usual consumers of this material were reported making modedate commitments to correspond with slightly improved operating schedules. Prices ruled unchanged.

Monochlorobenzene.—Sellers report a fair-sized interest in the market, consumers were still displaying caution, however, and ordering out supplies on a basis to correspond with nearby requirements.

Orthonitrochlorobenzene.—Pricewise the market offered little in the way of new developments, with a steady to firm tone prevailing. Business was described as holding at fair levels.

Phthalic, Anhydride.—Dyestuffs manufacturing were showing some interest in this direction. The call from the synthetic resin industry, however, continued at quiet levels. A steady to firm price tone remained in evidence.

Schaeffer's.—Small withdrawals continued to make up the call in the market again last week. Quotations were in conformity with the preceding period.

Thiocarbanilide.—The market displayed some measure of improvement. Inquiries were reported to be making their appearance more frequently. No change was disclosed in the quotations.

Coaltar Colors

The market for coaltar colors continued to display relatively moderate improvement. Although business was not necessarily at normal levels, it was reported in some quarters that the gradual improvement noted in July was being maintained. The general betterment in the textile situation was expected to gain momentum later in the year. Price wise the market was steady to firm. Switzerland's import of dyes in the first quarter of 1938 amounted to 186 metric tons, valued at 1,986,000 Swiss francs, as compared with 176 tons, valued at 1,908,000 Swiss francs, in the corresponding quarter a year ago. Germany, France, Great Britain and the United States were the four leading purchasers of Switzerland's export of coaltar dyes during the quarter under review, while Germany supplied the largest portion of Switzerland's total imports in the first quarter of 1938, according to the American consulate-general at Basle.

George W. Law, petroleum engineer for the United States geological survey for eleven years, located in Denver, in charge of oil and gas operations on government land in Colorado, has been transferred to Taft, Calif. He has been relieved in Denver by J. B. Mitchell, who comes from Taft.

Japan Makes Own Khaki Dye for Army

OPD Washington Bureau

After years of importing khaki dye from Germany for military uniforms Japan is now producing the dye, according to a report to the Department of Commerce from the trade commissioner at Tokyo. The product is the work of Dr. Eiho Maki, assistant professor at the Tokyo Imperial University, and is rated by a Japanese army clothing expert as superior to the German dye, it was stated.

The dye, according to the report, was given six months of testing before its manufacture on a commercial scale was started by a Mitsui plant at Kyusha. Technical details of the manufacturing process are being kept secret. Dr. Maki started research on the dye in March, 1936, at the request of the Japan Society for the Advancement of Science. His product is said in Japan to be superior to the German dye in resistance to fading by sunlight, wind, rain, and perspiration, according to the report.

C.P. Gulick Convalescing

Charles P. Gulick, chairman of the directorate of the National Oil Products Company, Harrison, N. J., who entered a hospital in Montclair, N. J., July 25, for treatment of an ulcerous condition of the stomach, has been reported showing progress sufficient to warrant the belief that he will emerge fully cured. While he will not return to business until shortly after September 5, Mr. Gulick was expected to be discharged from the hospital momentarily. Although confined to the hospital because of the rigors of the treatment, Mr. Gulick has been kept daily informed with the activities of his company.

A.C.S. Meeting In Milwaukee Sept. 5

—Continued from page 5

The division of fertilizer chemistry will hear approximately fifteen papers read, including one entitled "The Determination of Free Sulphur in Fertilizers. The petroleum section will hear approximately thirty papers read, including one listed as "Ethyl Fluid Blending Chart for Motor Method Octane Numbers." The paint division, which will be divided into a plastics group, and coatings group, will discuss among the many subjects the utilization of soybean oil in paints and varnishes.

On the entertainment side of the program is a complimentary dinner, served in German style, September 7 in the main area of the auditorium, a moonlight boat ride on Lake Michigan, and the semi-annual golf tournament, to be held September 8 at the Ozaukee Country Club. The Wilson trophy will be awarded for low gross.

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Universal Oil Reduces Gasoline Royalty Rate

Chicago, Aug. 24, 1938

The Universal Oil Products Company, owners and licensor of the Dubbs cracking process, has reduced the royalty rate for producing gasoline by the process from 10 cents a barrel "throughout" to five cents for licensees in the United States. The decrease becomes effective October 1. The term "throughout" means computation on the basis of the amount of oil put through the process rather than the gasoline yield.

The Universal organization was founded by J. Ogden Armour more than twenty years ago. Its stock was sold to Shell and Standard Oil interests in 1931 for $25,000,000. The first commercial Dubbs cracking unit was put in operation in 1922. The royalty rate at that time was 15 cents a barrel and the guaranteed yield of gasoline from good gas oil was 21 percent.

In 1934, Universal reduced the royalty rate one-third, from 15 cents to 10 cents per barrel. The gasoline yield then was up to 50 percent, or higher.

The yields of gasoline in many cases now runs well above 60 percent. Some sixty American refineries were reported using the process.

The company has developed other important refining processes including the U. O. P. catalytic polymerization process for making anti-knock gasoline from cracked gas and the U. O. P. isooctane process which produces a new motor fuel which gives hitherto unknown speed and climbing power to airplanes.

Eastern States Co. Confirms Mexican Oil Purchase

The Eastern States Petroleum Company, of which Richard B. Kahle is president, confirmed the report that it has purchased a substantial quantity of non-expropriated Mexican crude oil for refining at its Houston, Texas, refinery. The contract covers an extended period. The company further stated that the product will be marketed in both the export and domestic markets. Terms and conditions of the purchase have not been revealed. The first vessel to lift cargo, the S.S. R. W. McIlvane, arrived in Mexico August 18.

Bidel Sails for Europe

Leon A. Bidel, president of the Minerals Trading Corporation, this city, left August 17 for a business trip in Europe. Mr. Bidel will visit London, where a British company is being organized in connection with the Minerals Trading Corporation, to work the barytes mines of Bou Mahni, Algeria. Mr. Bidel, following a visit to the mines, plans to return to this country early in October.

Wood Chemicals Output In Canada Down in 1937

Production of certain chemicals from the distillation of hardwoods declined in 1937 in comparison with the preceding year. Four distillation plants and one refinery were in operation throughout the year. Most of the crude methanol was shipped to Montreal for refining and for making columnian spirits and formaldehyde.

	Production	
Products made for sale	1937.	1938.
Grey acetate of lime*....	4,259,259	4,892,291
Crude methanol†.....	.....	47,735
Refined methanol†.....	293,539	302,650

* Pounds.
† Imperial gallons.

Virginia-Carolina Chemical Corporation, Richmond, Virginia, expended $340,000 on capital investments during the fiscal year ended June 30, 1938. Included in the expenditure was the construction of a phosphate rack nodulizing plant at Mount Pleasant, Tenn, and the erection of a contact sulphuric acid chamber at East Birmingham, Ala. The sulphuric acid plant at Cincinnati, Ohio, destroyed by fire last May, the insurable values of which were adequately covered, is being replaced.

Mineral Oil Used To Simulate Cream

Addition of mineral oil to milk, with the purpose of raising the indications of the Babcock butterfat test, has been discovered by the Food and Drug Administration in its work under the Federal food and drug act. This discovery has resulted in the seizure in Chicago of a number of tons of butter containing mineral oil; the butter had been shipped from Oklahoma. The position of the officials that mineral oil in butter or cream is an adulterant without food value.

In July an inspector from the Kansas City office of the Food and Drug Administration took samples of cream, in the plant of an Oklahoma buttermaker, that had come from a cream-shipper in Missouri. Food chemists found mineral oil in the cream. Federal officials then began examining interstate shipments of butter from this area that might contain mineral oil.

Interstate shipment of the adulterated cream from Missouri into Oklahoma is a violation of Federal law, and the cream-shipper has been cited to a hearing. While there is no evidence of any widespread practice of adulterating cream in this manner, Federal and State food officials plan to stop it where it exists.

Paint, Varnish, Lacquer Materials

Trade Improves—Price Movements Downward—Cadmium Sulphide Reduced—Natural Gums Lower—Rosin and Turpentine Steady —Sentiment Favors Buying Expansion in September

Purchase orders for supplies of paint, varnish and lacquer chemicals came into the market in slightly better volume last week but it was difficult to determine whether the increased purchasing was done on expectations or to fill actual needs. In either event, the trade was anxious to cross the seasonal deadline represented by the Labor Day holiday. Current sentiment is promising for a realization of the Summer's talk about an upturn in business activity for the Fall. The past week's price movements were mainly downward. Replacement market prices for natural resins continued to decline and there was very little trading in that division of the market.

Lower metal costs fostered a reduction in the price for cadmium sulphide. Metallic lead held steady here but the market's position was watched closely by the buyers of derivative oxides because of the pressure of further weakness in the London metal market.

Rosin and turpentine were quiet last week, buying interest in Southern and local markets, as usual at this period of the year, being limited to small lots to fill current needs. The tone of primary markets was steady or firm, price movements being narrow. Receipts were large but the bulk of the arrivals continued to be moved into storage under the government loan.

The possibility of a general strike of union painters exists in the New York district. An agreement signed last August by employers and union leaders expired Thursday. Negotiations for a new agreement have been going on for the past three weeks, but have not been concluded. On Thursday the old agreement was extended for a period of one week, but if an agreement is not reached this week it is likely that the city's painters will walk out. There is also some apprehension of a trucking strike in New York when the current agreement with union truckmen expires, August 31.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Cadmium sulphide, 10c. per lb.
Gum, copal, E.I., Hiroe, nubs, ¾c. per lb.
Manila, Loba, B, ¾c. per lb.
C, ⅝c. per lb.
DK, CNE, ¼c. per lb.
Sambas and split chips, ⅝c. per lb.
Rosin, gum, 5c. to 10c. per 280 lbs.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
131.1	131.1	131.1	133.4

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

Pig lead passed a rather quiet week. Most of the purchasing was for single car lots for immediate delivery. The continued decline in the London market has fostered some wariness in buying ahead. While the prices in the domestic market have been holding steady against the influences of a weakening London market, buyers prefer to wait and see if the sag in London will force American prices off. Statistically, the market looked more encouraging. July stocks were off 9,115 tons from the June supply, and shipments rose from 35,343 tons in June to 40,601 tons in July. The July production was 31,488 tons, against 35,028 tons in June; stocks on hand were 154,231 tons, against 163,346 tons in June.

Zinc was a little more active toward the end of the week. Thursday and Friday brought some fair-sized orders to the smelters. The price continued unchanged at 4.75c. per pound in East St. Louis. London prices continued to decline.

Negotiations which may lead to the establishment of an international lead and zinc cartel are expected to get under way early next month. Several important figures in the lead and zinc industry are either in London or en route. It was said that the lead producers will meet early next month and that the zinc interests will convene later in September.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from August 20 to August 26, inclusive, were as follows:—

	Pigs				
	Per pound		Spot. London. Per ton		
	New York.	E. St. Louis.	£	s.	d.
Saturday	$0.0490@.0495	$0.0475	..	..	..
Monday	.0490@.0495	.0475	14	12	6
Tuesday	.0490@.0495	.0475	14	8	9
Wednesday	.0490@.0495	.0475	14	12	6
Thursday	.0490@.0495	.0475	14	11	3
Friday	.0490@.0495	.0475	14	11	3

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from August 20 to August 26, inclusive, were as follows:—

	Slabs				
	Per pound		Spot. London. Per ton		
	New York.	E. St. Louis.	£	s.	d.
Saturday	$0.0515	$0.0475	..	..	..
Monday	.0515	.0475	13	5	0
Tuesday	.0515	.0475	13	1	3
Wednesday	.0515	.0475	13	5	0
Thursday	.0515	.0475	13	3	9
Friday	.0515	.0475	13	2	6

Pigments

Domestic lead prices were able to withstand the influence of a weakening market abroad and the prices for derivative oxides remained unchanged at the levels that have been in force since June 30. Prices for other metallic pigments were steady and unchanged. Business was somewhat improved over a week ago. The paint manufacturers were buying in slightly better fashion, and the battery manufacturers and rubber tire producers were ordering more actively on expectations from the automobile trade. However, the improvements were narrow and trade still awaits the seasonal turn represented by the Labor Day holiday to see whether or not the Summer's ballyhoo for a business upturn in the Fall is to be realized.

White Lead.—Consuming manufacturers' orders for deliveries of dry lead have broadened slightly but the market is still characterized as being slow. Contract buyers are in a comfortable position as current deliveries are billed at less than the current replacement price, a margin that extends through next month when the third quarter contracts expire. Lead-in-oil shipments to dealers were also said to have been heavier last week.

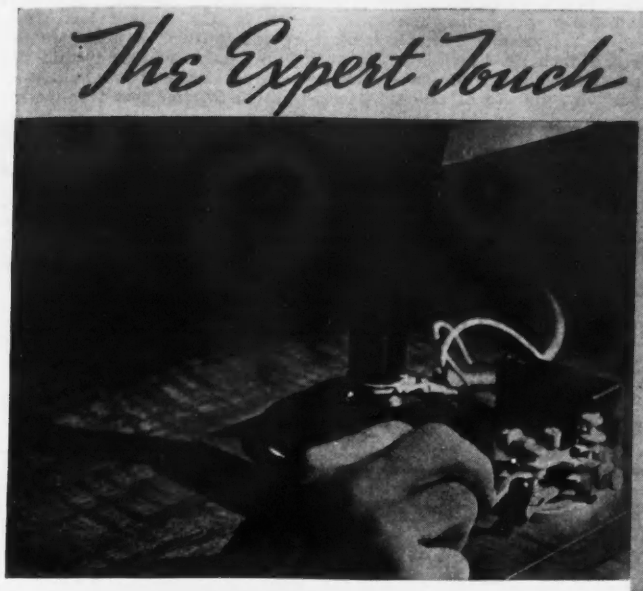
Red Lead.—Battery makers were ordering supplies in slightly better volume and with more frequency as the automobile manufacturers started placing orders for new model equipment. Buyers watched the metal market closely as the London market continued to sag. There has been no change in price here and the oxides of lead were also unchanged.

Litharge.—Conditions surrounding this market were essentially the same as those observed in the red lead market. There has been no change in price but buyers were watching the metal position very closely because of the weakening influence of a lowering London market.

Lithopone.—Last week's small improvement in the call for deliveries from Eastern manufacturing points was not sufficient to lift the market from a general characterization of slowness but indicated to the sellers a possibility that some real improvement might be seen within the next ten days. Price-wise, the market was in an unchanged and steady position.

Titanium Pigments.—Orders picked up impressively last week and aided by

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7



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this development, sales for August were likely to exceed those of August last year. Prices for all pigments continued in a steady and unchanged position.

Zinc Oxides.—Manufacturers of surface coatings and also makers of automobile tires showed a little more buying interest in the market last week and there are uniform expectations of a much more active market within the next ten days. Prices have held in a steady position for the past few weeks.

Fillers and Extenders

Mineral whites and inert pigments did not have much of a share in the improved ordering rate that was noted in some of the opaque pigments. Trade in fillers and similar products was still slow and the trade was anxious for the passing of the seasonal corner represented by the Labor Day holiday. Prices for materials included in this group were without a reportable change.

Barytes.—The domestic product continued in an unchanged and steady price position with a slightly better ordering rate reported. A feature of recent trading in barytes was the growing interest of Cuban material. Exploitation of the Cuban properties has been widely known around the market for the past eighteen months or more and imports from that source have been increasing. One Eastern buyer received several cars of it a week ago.

Silica.—Prices for the hard quartz and amorphous qualities continued in an unchanged position. Demands have been light over the Summer months.

Dry Colors

Chemical color manufacturers were also able to point to a slightly better buying interest last week but the earth color suppliers who were interviewed last week did not share in this development. In company with everyone else, the color trade was anxious for the turn of the season as represented by the Labor Day holiday and for the promise of improved business operations in the Fall. The price situation in the color industry was a very steady one. Neither earth nor chemical colors have been featured by an important change in price for some time.

Cadmium Sulphide.—Suppliers of the orange material reduced quotations 10c. per pound last week following a drop in metal costs. The market was now 90c. per pound in 100-pound lots and $1.05 per pound in smaller quantities.

Carbon Black.—Rubber black deliveries registered further gain in volume last week. While the increase was modest, the tire makers were preparing for a substantial lift in orders for the equipment of new cars and shipping instructions for car lot deliveries against contracts had a better frequency than for some weeks back. As reported previously, the black makers believe that prices are likely to remain at current levels until the time for contract renewals.

French Ocher.—The latest weakness in French currency exchange has not influenced the position of ocher here. For some time now the importers of French ocher have been purchasing abroad in terms of American dollars.

Iron Blues.—Prices held a steady position at the levels that have been in effect all year. Demands against contract showed a little more life last week.

Iron Oxides.—Natural and synthetic oxides were held at a steady price position and there have been no changes reported in quotations for some time.

Lake Red C Toner.—Printing ink makers have been light buyers during recent weeks and the sellers were hopeful that needs would broaden in September. Prices were unchanged.

Sienna.—Italian and American ground materials continued without price shift. The purchases by paint manufacturers have been small and infrequent.

Varnish Gums

Importers of natural resins reported another dull and featureless week of trade. Price movements, which were principally centered in the Manila Loba group, were all in a downward direction. Hiroe nubs were lower for the second time in as many weeks, and No. 1 Singapore was also reduced for the second week in succession. Although the market continued to weaken last week, stocks are light in all directions, and if the demands expand next month there is quite likely to be a turn from the market's recent and present trend.

Copals.—Pale East India Hiroe nubs were lowered again last week and the replacement price was now 8¾c. per pound, a reduction of ⅜c. from a week ago and ⅞c. per pound from the market of two weeks ago. Sambas and white split chips were lowered from 15c. to the basis of 14⅝c. per pound. Loba B in the Manila group was lowered ¾c. per pound to the basis of 10¼c. per pound; Loba C was reduced ⅜c. to the basis of 9¾c. per pound; DK went down ¼c. to the basis of 6⅜c. per pound; and CNE was reduced ¼c. to the basis of 6⅜c. per pound. All of these quotations were for shipment in straight or mixed cars and were subject to the usual differentials for smaller quantities.

Dammars.—The replacement price for Singapore No. 1 was lowered again last week. The market for this grading was reduced ⅜c. per pound to the basis of 15⅝c. in car lots. Two weeks ago, Singapore No. 1 was priced at 16c. per pound.

Kauri.—During 1937 the kauri gum trade in New Zealand experienced an appreciable revival with most of the accumulated stocks disappearing from the

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market together with the 1937 crop. In the spring of 1938 a considerable decline in export of the gum was noticeable, and this condition continued through April until the exports fell to 65 tons against 200 tons in March. At the end of May and the beginning of June, shipments were greatly increased, and at the close of the first half of the year trade reported conditions to be quite satisfactory, according to a report from the American consulate at Auckland. Arrivals at Auckland for the first six months of 1938 totaled 894 metric tons. Total exports of gum from Auckland for the same period amounted to 838 metric tons. The United States purchased 65 metric tons and 773 metric tons went to the United Kingdom and other foreign countries. It was reported that the United Kingdom received the bulk of the 773 metric tons. At the end of July shippers were in possession of new supplies of gum arriving from the fields, and the demand at that time was reported to be steady with values fairly firm.

Synthetic Resins

Last week's improvement in the ordering rate for supplies of ester gum was a definite development but the added volume was not sufficient to lift the market from a characterization of dullness. Sellers were hopeful that the market picture would change within the next two weeks and were anxious to put the Labor Day holiday behind them. Pricewise things have been holding in a steady position.

Naval Stores

Southern and local markets for rosin and turpentine were quiet last week and developments of more than ordinary interest were lacking. In the opinion of some the indications seemed to point to a continuation of the quiet conditions until after the Labor Day holidays are out of the way. Locally occasional inquiries were noted for rosin and turpentine, as well as minor products, but as usual at this period of the year consumers and dealers were disinclined to purchase beyond their immedate requrements.

Despite the quietness prevailing, the tone of Southern markets appeared to be steady or firm. Weather conditions over many parts of the South were favorable for operations in the woods and the movement of rosin and turpentine from the interior to the seaboard continued on a large scale. As for some time past, however, daily offerings in primary centers were light, the bulk of the supplies arriving being placed in storage under the government loan. Up to the close of the first half of August, 132,200 barrels of turpentine and 537,750 barrels of rosin had gone into storage on which producers had received loans aggregating about $7,385,000.

It is estimated that the additional loan of $3,000,000 recently granted by the government will be sufficient to cover the marketing operations of producers up to the close of next month. The withdrawal of supplies from the open markets of the country has thus far failed to stimulate demand but there is a belief among many that with the advance of the Fall season a change in the attitude of buyers is likely to be witnessed, especially as many consumers and dealers at home and abroad are believed to be carrying comparatively small stocks.

A consular report from Bordeaux concerning the French naval stores industry states that while a slight improvement was noticed in demand for turpentine and rosin during June as compared with the two previous months, this condition did not extend into July and the market for both products was weak during that month. Weather conditions during July were not favorable for the new naval stores crop as a spell of dry weather resulted in a smaller yield of gum. However, it is not felt that there will be any material reduction in the size of the crop which is estimated at about the same as that of last year. Total exports from France for the first six months of 1938 were 2,510 metric tons of turpentine and 24,006 metric tons of rosin. These figures compare with 412 metric tons and 14,992 metric tons respectively in the same time last year.

Turpentine.—The local market for turpentine was a small affair, business continuing along very narrow lines in the absence of anything stimulating in developments in the South where sales were small and price movements unimportant. The primary situation continued to be featured by light offerings and a firm tone. Weather conditions were favorable for production and marketing operations and receipts were liberal.

SAVANNAH, Aug. 26.—The turpentine market had a firm undertone. Offerings were light. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Re-ceipts.	Ship-ments.	Stocks.
*Saturday..	..	...	...	...	.....
Monday.....	22½	61	676	297	45,877
Tuesday.....	22½	...	504	40	46,341
Wednesday.	22½	43	896	1,888	45,349
Thursday ..	22½	14	383	210	45,513
Friday	22½	...	596	...	46,109

* Market closed.

JACKSONVILLE, Aug. 26.—Turpentine ruled steady. Trade quiet. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Re-ceipts.	Ship-ments.	Stocks.
*Saturday..	..	...	...	...	.....
Monday.....	22¾	15	505	1	35,466
Tuesday.....	22½	4	401	...	35,870
Wednesday..	22½	13	340	...	36,210
Thursday ..	22½	...	361	197	36,374
Friday	22½	13	498	46	36,826

* Market closed.

PENSACOLA, Aug. 20. — Turpentine quiet and steady. Following is a record of the market for the week:—

	Barrels Re-ceipts.	Ship-ments.	Stocks
Monday	233	162	31,076
Tuesday	185	123	31,138
Wednesday	127	...	31,265
Thursday	22	283	31,074
Friday	121	...	31,195
Saturday	146	...	31,341

CHICAGO, Aug. 26.—Trade in turpentine is fairly good, and apparently a little better than recently. Ruling prices at the close of business last night were:—Five-drum lots, 30c. per gallon; five wood barrels, 35c.; single drums, 33c.; single barrels, 38c.

LONDON, Aug. 26.—Quotations on turpentine were as follows:—

	Per cwt. in bbls. s.	d.
Saturday	32	0
Monday	32	0
Tuesday	32	0
Wednesday	32	0
Thursday	32	0
Friday	32	0

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Picayune, Mississippi

Stocks of American turpentine in London were:—

	Aug. 26.	Previous week.	Last year.
Barrels	31,250	27,780	14,473

Rosin.—A steady tone prevailed here but aside from this the local situation presented few features of interest. Occasional inquiries were received from consumers and dealers who were in need of supplies but as usual with the approach of the Labor Day holidays purchasing was limited to small quantities. Daily offerings in Southern markets were light although receipts continued large.

SAVANNAH, Aug. 26.—Rosin prices continued to move within narrow limits. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— *Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$3.50	$3.50	$3.50	$3.50	$3.50	$3.50
D	3.85	3.85	3.85	3.85	3.85	3.85
E	4.20	4.20	4.20	4.20	4.20	4.20
F	4.35	4.30	4.35	4.37½	4.37½	4.37½
G	4.35	4.30	4.35	4.37½	4.37½	4.37½
H	4.35	4.30	4.35	4.37½	4.37½	4.37½
I	4.35	4.30	4.35	4.37½	4.37½	4.37½
K	4.35	4.30	4.35	4.37½	4.37½	4.37½
M	4.35	4.30	4.37½	4.37½	4.37½	4.37½
N	5.25	5.20	5.25	5.25	5.25	5.25
WG	5.50	5.50	5.50	5.50	5.50	5.60
WW	6.30	6.30	6.30	6.30	6.30	6.30
X	6.30	6.30	6.30	6.30	6.30	6.30
	Barrels					
Sales	453	503	543	322	404	
Receipts	3,007	2,773	1,883	2,831	2,697	
Shipments	1,079	430	1,779	329	...	
Stocks	220,468	222,851	222,915	225,417	228,114	

* Market closed.

JACKSONVILLE, Aug. 26.—Rosin was quiet but offerings remained light and the prevailing tone was firm. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— *Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$3.40	$3.40	$3.40	$3.40	$3.40	$3.40
D	3.80	3.80	3.80	3.80	3.80	3.80
E	4.20	4.20	4.20	4.20	4.20	4.20
F	4.35	4.30	4.30	4.37½	4.37½	4.40
G	4.35	4.30	4.35	4.37½	4.37½	4.40
H	4.35	4.30	4.35	4.37½	4.37½	4.40
I	4.35	4.30	4.35	4.37½	4.37½	4.40
K	4.35	4.30	4.35	4.37½	4.37½	4.40
M	4.35	4.30	4.37½	4.37½	4.37½	4.40
N	5.20	5.20	5.25	5.25	5.25	5.25
WG	5.40	5.40	5.50	5.40	5.40	5.40
WW	6.30	6.30	6.30	6.30	6.30	6.30
X	6.30	6.30	6.30	6.30	6.30	6.30
	Barrels					
Sales	535	127	101	308	125	
Receipts	1,969	1,721	1,430	1,671	1,472	
Shipments	1	15	...	290	857	
Stocks	177,354	179,260	180,690	182,071	182,686	

* Market closed.

PENSACOLA, Aug. 20.—Rosin was quiet. Receipts continued large. Following is a record of the market for the week:—

	Barrels					
	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts	693	451	811	335	321	477
Shipments	...	1,000	...	...	...	111
Stocks	50,166	49,617	50,428	50,763	51,084	51,450

CHICAGO, Aug. 26.—Business in rosin reported a little brisker. Ruling prices at the close of business last night were:—B grade, $6.50 per lot of 280 pounds; G grade, $7.30; M grade, $7.30; W. W. grade, $9.30.

LONDON, Aug. 26.—Quotations on American rosin were as follows:—

	Per cwt. in barrels— Common.		W.W.	
	s.	d.	s.	d.
Saturday	14	0	18	0
Monday	14	0	18	0
Tuesday	14	0	18	0
Wednesday	14	0	18	0
Thursday	14	0	18	0
Friday	14	0	18	0

Pine Oil.—The market was reported as quiet so far as new business was concerned though the movement into consuming channels appeared to be holding up fairly well. The tone was steady.

Pitch.—Quotations were generally held at previous levels and the tone of the market appeared to be steady. There was a fair movement into local and outside consuming channels.

Rosin Oil.—Local prices for spot material were steady in the absence of any material change in primary markets for basic material. There was a fair inquiry for moderate lots for prompt shipment.

Tar.—There was apparently no change in the character of business, consumers being disinclined to purchase ahead to any extent. The market retained a steady tone.

Shellac

The shellac market was still in the doldrums last week. Volume was very unsatisfactory and the number of orders varies widely from day to day. While the market was apparently quite steady, that condition merely reflected that prevailing in Calcutta and London where prices changed hardly at all throughout the period. Deliveries against existing contracts were not being taken out as promptly as the local trade desired; the tendency of many buyers was to request delays when goods were tendered. Very little business went from the spot to Calcutta last week. With conservative commitments on their books and with new orders being disappointing, local importers restricted buying almost solely to coverage of contract necessities of the moment.

Calcutta, Aug. 26.—Shellac quotations on the landed New York basis, ex dock, net cash, were as follows:—

	Per pound— Aug. 26.	Aug. 19.
August	11c.	11⅜c.

Day-to-day prices were as follows:—

	Per pound.
August 19	11⅜c.
August 20	No cables
August 22	11⅛c.
August 23	11⅛c.
August 24	11⅛c.
August 25	11⅛c.
August 26	11c.

London, Aug. 26.—Prices quoted on London standard T.N. shellac, basis of sterling exchange at $4.88, were as follows:—

	August 26— Shillings. Cwt.	Cents. lb.	August 19— Shillings. Cwt.	Cents. lb.
October	38½	8.4	39	8.5
December	39½	8.6	39	8.7

Day-to-day closing prices were as follows:—

	Per hundredweight— October.	December.
August 19	39s ..	40s ..
August 20	No cables	
August 22	39s ..	40s ..
August 23	39s ..	40s ..
August 24	39s ..	40s ..
August 25	38s 9d	39s 9d
August 26	38s 6d	39s 6d

Lacquer Materials

Business in the market for lacquer materials and solvents continued moderate. The disposition of major consumers continued to be one of ordering for immediate requirements. Pricewise the market was unchanged, with a steady to firm tone in evidence. With field stocks of automobiles definitely down, fall prospects were improved for the automotive industry. Expectations are that announcement of the new 1939 models will be forthcoming from some companies in a few weeks. Builders are rushing plans to get into early production and expectations are that entrance of the automotive industry in the market for materials is only a matter of a few weeks. For the most part it is believed resumption of operations will be staggered through all of September with the result that output will gain slowly over the month.

Acetone.—The market showed signs of a broader inquiry from some quarters, particularly the textile industry. The call for solvent purposes continued along moderate lines, but the outlook continued brighter with the resumption of automotive production. Quotations ruled unchanged.

Cellulose Acetate.—While current business was described as only fair, prospects of improvement in some basic consuming industries appeared much brighter with the approach of Fall season. A steady to firm price tone remained in evidence.

Dibutyl Phthalate.—The call from the lacquer and plastic trade for plasticizing purposes was held to modest proportions with major consumers content to mark time for the present. No change was reported in the quotations.

Ethyl Acetate.—A steady to firm price tone prevailed in the market throughout the past week. Business was held to fair levels, with a better interest reported from the rayon industry.

Nitrocellulose.—The disposition of major consumers continued to be one of ordering for immediate requirements, although generally, it was felt, the last quarter would show a more active interest.

Driers

Stearate manufacturers reported some lift of interest from the paint manufacturing industry, but there was a greater interest from some of the Middle Western grease manufacturers who had not been able to operate very heavily during the hot weather. As a result of the added interest last week some of the sellers of stearate products will be able to show a better August than they had expected previously. Prices continued steady and unchanged.

Glues and Binders

Casein.—The domestic material held firmly at the advanced levels of a week ago. The 20-30 mesh product was 10c. to 10½c. per pound and the 80-100 product was 10½c. to 11c. per pound, both in carload lots, basis delivered.

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INDUSOIL (Refined Tall Oil)
A blend of refined pine fatty acids with the following standard specifications:
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Specific Gravity 60°F/60°F 0.96-0.98
Viscosity—Saybolt Universal at 100°F—Seconds.300-400
at 210°F—Seconds. 50- 70
Flash Point .....350-380°F
Fire Point .....410-430°F
Color—Lovibond using half column
yellow — not more than 70
red—not more than 40
Moisture—Less than. 0.1%
CHEMICAL DATA
Acid Number 170-180
Saponification Number 170-185
Rosin Acids Number 60- 67
Ash—Less than 0.1%
ANALYSIS
Fatty Acids 55- 60%
Rosin Acids (Calculated as Abietic) 34- 38%
Sterols—Higher alcohols, etc. 6- 10%
LIQRO (Crude Tall Oil)
A blend of crude pine fatty acids with the following standard specifications:
PHYSICAL DATA
Specific Gravity 60°F/60°F .0.96-0.98
Fire Point.....Not over 45°F
Viscosity — Saybolt Universal at 100°F—Seconds 800-900
at 210°F—Seconds 110-130
Flash Point ...350-370°F
Fire Point ....410-430°F
Color .....Brown
Moisture—Less than 0.2%
CHEMICAL DATA
Acid Number ..150-160
Saponification Number ...160-170
Rosin Acids Number ... 76- 82
Iodine Number (WIJS) 150-180
Ash—Less than 0.3%
ANALYSIS
Fatty Acids ... 45- 55%
Rosin Acids (Calculated as Abietic) . 40- 45%
Sterols—Higher alcohols, etc. 6- 10%

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Indusoil (refined Tall Oil) and Liqro (crude Tall Oil) are being used extensively in place of more expensive fatty acids. Study their specifications and you will realize the possibilities of using Indusoil and Liqro in your process.

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INDUSOIL AND LIQRO

Oils, Fats, and Waxes

Cottonseed Oil Futures Weaken with Outside Markets—Linseed Oil Again Reduced—Further Decline in Chinawood and Perilla —Coconut Oil Firmer—Trade Quiet

The trend of miscellaneous oils, fats and greases continued downward last week, quotations on various products being shaded. At the close of the period the prevailing tone was easy although offerings of not a few commodities appeared to be light. There was a fair inquiry for some edible products but as a rule consumers were disposed to limit their takings to small lots, especially as the trend of cottonseed oil and lard futures was downward at times.

Among the vegetable products chinawood oil continued to weaken in the absence of any improvent in demand. Perilla oil was available at further concessions. Crude coconut oil was advanced slightly, the firmer tone being attributed to a steadier copra situation abroad. A further decline occurred in teaseed oil owing to a lack of demand.

Refined whale oil was reduced by local interests, the easier situation apparently being traceable to lack of demand of importance. Crude menhaden oil offerings were light and local refined quotations were maintained at former levels. Crude sardine oil was lower. Lard compound was reduced moderately by makers. Tallow was steady at the recent decline with offerings light.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Coconut oil, crude, ⅛c. per lb.
Coconut oil fatty acid, ¼c. per lb.
Cottonseed oil fatty acid, ¼c. per lb.
Japan wax, ¼c. per lb.

Reduced

Candelilla wax, ½c. per lb.
Chinawood oil, ¼c. per lb.
Corn oil, ¼c. per lb.
Cottonseed oil, crude, ⅛c. per lb.
Lard, 25c. to 50c. per 100 lbs.
Lard compound, 25c. per 100 lbs.
Lard oil, ¼c. to ½c. per lb.
Linseed oil, 3-10c. per lb.
Linseed oil fatty acid, white, ½c. per lb.
Oiticica oil, ¼c. per lb.
Peanut oil, ¼c. per lb.
Perilla oil, ¼c. per lb.
Sardine oil, crude, 1½c. per gal.
Soybean oil, ⅛c. per lb.
Teaseed oil, ¼c. per lb.
Whale oil, refined, 6-10c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
103.8	105.2	108.2	132.6

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Chinawood.—An easy tone continued to prevail in the local market last week as competition among sellers was still rather keen in the absence of any increase in demand. Few cables were received from China where shippers were apparently not in a position to offer but the uncertainty concerning future supplies was offset for the time being by the attitude of consumers. Quotations here covered an unusually wide range and were largely nominal in the absence of transactions of consequence. Reports were current to the effect that some business was closed at one time early in the week at 12.8c. per pound in tanks although this figure was said to be below the Chinese market.

Coconut.—Quiet conditions continued to prevail in the local market for crude oil. The tankcar price was advanced ⅛c. per pound, this being attributed to a steadier copra situation. Occasional inquiries were noted but no transactions of consequence were reported. Refined oil was in fair request and the market was steady, previous selling schedules remaining in effect.

A radiogram from the American Trade Commissioner at Manila dated August 23 stated that copra arrivals in July were very heavy in both Manila and Cebu, being about 50 percent greater than in June in each case. Manila arrivals were about 50 per cent greater than July last year, Cebu about 25 percent greater or an aggregate increase of about 40 percent for the two centers. It is believed the direct exports from provincial points were also considerably greater than last year. Unless the production for the balance of this year should fall below the normal crop for the full year, a 10 percent increase is estimated over the 666,000 tons last year.

SAN FRANCISCO, Aug. 23.—Crude coconut oil remained steady last week, with business said to have been booked on the basis of 2¾c. to 2⅞c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills. Trade in copra was without any particular feature in this market, the price remaining steady. There was a certain amount of fill-in business, however. Suppliers at source were reported to be finding a slightly better market in Europe. Quoted on the basis of 1.80c. to 1.825c. per pound, c.i.f. Pacific Coast ports.

Corn.—The downward trend of competing product gave the market an easier tone, quotations being shaded ¼c., with the figures still apparently more or less nominal as offerings continued light. Refined oil was steady with a fair inquiry.

Oiticica.—An easier tone was due to further weakness in chinawood oil. Offerings were light, with quotations apparently nominal. There was a fair inquiry.

Olive.—There were reports of a somewhat better request for denatured oil and foots, but purchasing was apparently limited to unimportant quantities, consumers being disinclined to anticipate. The prevailing tone was steady.

Palm.—Demand was rather slow, but there was no material change in the situation abroad and the market here was steady. Offerings for shipment were reported as light.

Perilla.—An easier tone developed owing to a lack of demand of consequence and weakness in other commodities. There were reports of sales at 9.8c. per pound in tankcars on spot.

Soybean.—Demand was slow, buyers being disposed to hold off for further developments in competing product. The tone was easy, with offerings at concessions of ½c. to ¾c. per pound.

Teaseed.—The market had an easier tone owing to an absence of demand. Quotations were shaded ½c.

Markets at Other Centers

San Francisco, Aug. 23.—While steadiness marked the vegetable oil list as a whole last week there was an appreciable trade noticed in some of the edible and soap materials when inquiries for coconut and teaseed oils developed into a fair run of business. Most of the balance of the list remained comparatively slow.

BABASSU.—Quoted at 5¾c. per pound in tankcars, f.o.b. mills, Pacific Coast.

PERILLA.—Quoted nominally at 9.8c. per pound in tankcars, prompt to deferred shipment, f.o.b. San Francisco.

RAPESEED.—Refined and denatured oil quoted at 6c. per pound in tankcars, f.o.b. Pacific Coast ports for shipment out of the Orient. Spot stocks quoted on the basis of 6¼c. per pound.

TEASEED.—High acid content oil is quoted at 6c. per pound in tankcars, f.o.b. Pacific Coast ports, with standard acid content material reported sold out for the season. Business in this material has been active.

Chicago, Aug. 26.—Holding its own comparatively well through a period of some additional uncertainty, the general vegetable oil market now is steady and rather quiet.

COCONUT.—Coast basis, August-forward, 2⅞c. to 3c. per pound. Refined, edible oil, 8¾c. to 9c. per pound, barrels, car lots; and 9¼c. to 9¾c., barrels, less than car lots.

CORN.—Crude, low acid, 8c. to 8¼c. per pound, partly nominal. Refined, edible oil, 10c. to 10¼c., barrels, car lots; and 10¼c. to 10¾c., barrels, less than car lots.

CHINAWOOD.—Ruling nominal, 14c. to 14.2c. per pound, prompt; and 12.8c. to 13c., deferred.

PEANUT.—Crude, 8c. to 8⅛c., per pound.

SOYBEAN.—Crude, mills, 5¼c. to 5½c. per pound.

The market for soybeans on the Chicago Board of Trade was a rather featureless affair. Price movements were in company with the course of grain quotations.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

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Trading in futures was on a small scale, operators and commission houses being inclined to hold off for further developments in outside markets. There was very little interest in cash beans. Offerings were light. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing Aug. 26.	Closing Aug. 15.
December	$0.78⅝	$0.76¼	$0.76¼	$0.77¼
May	.80	.77¼	.77¾	.80

London, Aug. 16.—Soybean oil, crude, 24s. per cwt.; rapeseed, crude, 31s. 3d.; palm kernel, refined, English, 24s. 6d.; peanut, Bombay, 22s. 3d.; sardine, Japanese, 16s. 3d.; whale, crude, Rotterdam, 14s.

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Linseed Oil

Flaxseed quotations were irregular. Linseed oil lower. Cake and meal steady.

Flaxseed—DULUTH, Aug. 26.—Flax receipts at this point increased materially during the last week and much livelier interest is apparent than in several seasons. The arrival of the new crop is depressing prices, but as that was expected it is having no depressing effect on spirits. As to the crop, doubt is growing as to its size, for some farmers have failed to use the type of grasshopper poison recommended, so that the insects have made greater inroads than expected in some districts, particularly in the late harvest. The campaign was well organized and early enough, and only the defection of individuals has allowed heavy damage. Some army and webworm damage has been noted and excessive moisture in some sections has caused deterioration.

The week's closing price range was as follows:—

	Cash.	Sept.	Oct.
Saturday	...	$1.67	$1.68
Monday	...	1.69½	1.70½
Tuesday	$1.75½	1.69½	1.70½
Wednesday	1.75½	1.69	1.69
Thursday	1.75½	1.68½	1.68½
Friday	1.74½	1.68½	1.68½

Crop movement in bushels follows:—

	Receipts 1938.	Receipts 1937.	Shipments 1938.	Shipments 1937.
This week	121,491	11,804	.....	.....
Since Aug. 1	137,469	46,348	.....	103,620

MINNEAPOLIS, Aug. 26.—An unexpectedly liberal run of cash flax Monday met with an aggressive competitive demand and prices were firm to strong compared with futures before the session was out. Crushers grabbed offers freely and there was some competition from Duluth for the diversion point offers. Most all of the seed was of good quality and very little sold lower than 5c. over September futures. There is a spot or two in Minnesota where quality is rather poor and this seed sells at 4c. over. North Dakota and western Minnesota seed sells very readily at top figures. Receipts for the present week are measurably larger in volume than year ago totals.

Shipping advices continue good and inasmuch as flax is selling at twice the value of wheat liberal receipts are expected until the crop is well marketed. Duluth interests are picking up considerable of the movement because of good quality and the comparatively strong tone of Argentine seed. Shipments from here are liberal, about 100,000 bushels moving out in three days.

Threshing reports indicate a larger yield than indicated in government estimates but the question of grasshopper damage is yet to be determined and losses due to this field pest may eventually offset the heavy yields in Minnesota. Reports during the week from south central Minnesota said that fields were producing as much as 20 to 25 bushels to the acre, where the land was clean and free of weeds. Most of the current movement is from Minnesota territory.

Elevator stocks are gaining slowly because of the desire of crushers to fill their private bins in order to increase operations.

The week's closing price range was as follows:—

	Cash.	Sept.	Dec.
Saturday	$1.76½	$1.68	$1.68
Monday	1.76	1.69	1.69½
Tuesday	1.75	1.68	1.68½
Wednesday	1.75⅛	1.68½	1.68½
Thursday	1.75½	1.68½	1.68½
Friday	1.74½	1.67½	1.68½

Crop movement in bushels as follows:—

	Receipts 1938.	Receipts 1937.	Shipments 1938.	Shipments 1937.
This week	957,860	632,710	142,470	49,000
Since Sept. 1	5,215,540	5,657,580	1,079,070	622,040

WINNIPEG, Aug. 26.—The flaxseed market remained quiet. The week's closing price range was as follows:—

	Cash.	Oct.
Saturday	$1.41¼	$1.41¼
Monday	1.41¼	1.41¼
Tuesday	1.41¼	1.41¼
Wednesday	1.41¼	1.41¼
Thursday	1.41	1.41
Friday	1.41	1.41

BUENOS AIRES, Aug. 26.—Opening prices per bushel on September contracts were:—

	Last week.	Last year.
Saturday	$1.13⅜	$1.35
Monday	1.13½	1.35
Tuesday	1.13½	1.33½
Wednesday	1.14	1.33⅞
Thursday	1.12⅛	1.32⅛
Friday	1.11⅜	1.32¼

Exports

To—	Bushels Last week.	Previous week.	Last year.
United States	.....	59,000	362,000
United Kingdom	4,000	.....	.....
Continent	402,000	315,000	587,000
Orders	67,000	12,000	122,000
Others	31,000	177,000	16,000
Totals	504,000	563,000	1,087,000

Since January 1

To—	Bushels This year.	Last year.
United States	8,061,000	19,066,000
United Kingdom	1,110,000	492,000
Continent	17,027,000	15,370,000
Orders	6,857,000	13,470,000
Others	1,619,000	3,993,000
Totals	34,674,000	52,391,000

Visible Supply

	Bushels.
Last week	4,724,000
Previous week	4,724,000
Last year	5,512,000

INDIA.—Exports of flaxseed from India last week were as follows:—

To—	Bushels Last week.	Previous week.	Last year.
United Kingdom	368,000	208,000	156,000
Continent	.....	.....	.....
Others	.....	.....	8,000
Totals	368,000	208,000	164,000

Since April 1—	Bushels This year.	Last year.
United Kingdom	5,932,000	3,428,000
Continent	388,000	172,000
Others	84,000	324,000
Totals	6,404,000	3,924,000

HULL, Aug. 26.—Quotations on flaxseed were:—

	Per ton La Plata.	Per ton Bombay.
Saturday	£11¼	£12⅞
Monday	11¼	12⅞
Tuesday	11	12⅝
Wednesday	11	12⅝
Thursday	10⅞	12⅜
Friday	10⅞	12⅜

Linseed Oil.—The local market had an easier tone, competition among sellers being keener as the trend of the Buenos Aires flaxseed market was downward at times while declines occurred in various other oils and fats here, the weakness in domestic outside markets making consumers and dealers disposed to hold aloof or limit their takings to small lots for current needs.

Quotations were reduced to 7.5c. per pound for tankcars and 8.1c. per pound for oil in cooperage, car lot basis. Some sellers continued to quote higher figures but the latter were mainly nominal. There was a fair movement of oil to consumers and dealers on contracts previously placed but withdrawals in some cases were not up to expectations.

Receipts of flaxseed in Northwestern markets showed a considerable increase but demand was good and offerings were readily absorbed. Crop accounts were generally favorable but there were reports of increasing damage from grasshoppers in some sections.

There were no shipments of flaxseed from Argentina to this country last week. Since January 1 the exports to the United States have amounted to 8,061,000 bushels, against about 11,000,000 bushels less than in the same time last year. Receipts of flaxseed at New York last week were 399,496 bushels.

MINNEAPOLIS, Aug. 26.—Demand for linseed oil is rather quiet again, although buyers are showing a fair amount of interest in moderate sized round lots for shipment up to the end of the year. There is virtually no trade in round lots of size for longer deferred shipment. Some indifference has been due to the easy tone of the flax market and liberal new crop arrivals. Prices were lowered and this tended to result in holding off. Weakness in the Argentine market for a time also was a factor. In the past day or two inquiry picked up and a few more orders were booked, chiefly for tankcar lots. Cooperage car lots are moving in fair volume.

Shipping instructions again are fair to good after a short period of slowness. Crushers now are operating 50 percent of capacity or more and likely will further increase operations next week. Currently the crushers are making considerably more oil than they are shipping.

Quotations on carload lots f.o.b. Minneapolis, tankcar lots, 7.8c. per pound, cooperage car lots 8.4c. per pound, warehouse lots 8.8c. per pound.

Shipments of oil in pounds were as follows:—

	1938.	1937.
This week	1,249,639	2,010,808
Since Sept. 1	65,872,411	77,546,638

SAN FRANCISCO, Aug. 23.—There has been a very brisk demand here for linseed oil against already existing contracts, indicating a pick-up in the paint business and last week saw further contracting for supplies of oil for nearby positions, buyers bidding in and getting supplies at a figure just under the posted tankcar price. The later positions are not very active, however. Quoted:—Tankcars, 8c. per pound; drum car lots ex mill, 8.6c.; drum lots ex warehouse, 9c.

CHICAGO, Aug. 26.—Linseed oil inquiry has been only moderate, suggesting that buyers are watching their own inventory positions closely and are trying to guard against over-buying. Ruling prices are:—Tankcar, 7.8c. per pound; car lots, 8.4c.; less than car lots, 8.8c.

LONDON, Aug. 26.—Quotations on linseed oil were:—

	Per cwt. s.	d.
Saturday	£21	£10½
Monday	21	9
Tuesday	21	7½
Wednesday	21	7½
Thursday	21	6
Friday	21	6

Cake and Meal.—A steady tone prevailed in the local market, spot quotations being maintained at the levels prevailing in the previous week. Domestic trade in meal was slow. A fair export inquiry was reported for cake.

MINNEAPOLIS, Aug. 26.—Meal demand is sluggish and featureless. Crushers are asking $2 over September shipment prices for immediate delivery and with September only a week away buyers are very much inclined to wait and save the difference. The current make is heavier than demand calls for and for the first time in months crushers are accumulating supplies.

Quotations on carload lots, f.o.b. Minneapolis, 100-pound sacks, $36 to $37.50 per ton; September-December shipment, $35 per ton.

Shipments of meal in pounds were as follows:—

	1938.	1937.
This week	1,591,900	4,371,702
Since Sept. 1	125,302,457	120,108,621

CHICAGO, Aug. 26.—With markets for competitive feeding material weakening recently, the linseed meal market has turned soft, and prices have been tending lower recently. Buyers are confining themselves to small lots. Round lot business is slow. Ruling prices are:—Round lots, $39.50 per ton, largely nominal; car lots, $39.50 to $40; less than car lots, $41 to $41.50.

Cottonseed Oil

Refined oil futures had a downward trend at times, the tone of the market being influenced by weakness in other commodities. Southern markets easier.

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Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Cottonseed Oil.—The market here for refined oil futures had an easier undertone much of the time and the trend of prices was mainly downward although changes from day to day were generally moderate. For the time being, however, prevailing sentiment appeared to be rather less friendly to the long side owing to bearish developments in outside markets. The trend of lard, grain and cotton was downward at times and there was shading of quotations on various oils and fats although coconut oil was advanced slightly. On the other hand lard compound was reduced by makers and trade in cash refined cottonseed oil was reported as quiet. Crude cottonseed oil was easier in Southern markets.

There was liquidation for account of commission houses, local operators and trade interests. Expectations of increased pressure of hedge selling following an expansion in the movement of seed to the mills apparently made some traders more disposed to sell. Reports from the South concerning the progress of the cotton belt were generally favorable although reports of increasing weevil activity and damage came from parts of the Eastern belt where frequent rains have been received in recent weeks. The crop in some sections was said to be from one to two weeks late. Official ginning figures put the quantity of cotton ginned to August 16 at 313,934 bales against 514,524 bales in the same time last season and 208,507 bales two years ago.

Marketing of hogs was on a moderate scale and the weight of the hogs showed a further decrease. Receipts in the principal Western centers for four days of the week aggregated 159,400 head against 143,100 head in the same time last year. The weight of the hogs received in Chicago during the week ended August 20 averaged 286 pounds against 288 pounds in the previous week, 291 pounds in the week before that and 276 pounds in the same week last year. Domestic trade in cash lard was reported as quiet but there was a fair movement on export orders. Shipments of lard from Atlantic and Gulf ports to all destinations from November 1 last to August 20 were 130,404,871 pounds against 86,621,203 pounds in the same time in the previous season.

The New York Cotton Exchange trade service report dated August 22 stated that weevil damage has increased rapidly in the coastal plain section of the Carolinas and in the southern portion of the belt from Louisiana eastward, but that part of this increase is to be regarded as seasonal and that there are continued indications that damage by the pest is only normal or is less than normal over large areas in the upper portions of the Carolinas and in northern portions of Georgia, Alabama and Mississippi while in Tennessee, Arkansas, Oklahoma and the greater portion of Texas it is light.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from August 20 to August 26, inclusive, comprised 809 contracts, a total of 48,540,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
January	8.16	7.82	7.96@7.97
March	8.23	7.87	7.99 sale
September	8.15	7.81	7.90 sale
October	7.99	7.84	7.92@7.95
December	8.15	7.81	7.95 sale

Crude, Southeast, .06621/2 nom.

Chicago, Aug. 26.—Inquiries for cottonseed oil have been coming in again fairly well. Good, off-Summer, yellow fig oil is 8¼c. per pound. Refined, edible oil is 10c. to 10¼c. per pound, barrels, car lots; and 10¼c. to 10½c., barrels, less than car lots.

Hull, Aug. 26.—Quotations on cottonseed oil were:—

	Refined. Per cwt.		Egyptian crude. Per cwt.	
	s.	d.	s.	d.
Saturday	21	6	18	6
Monday	21	6	18	6
Tuesday	21	6	18	6
Wednesday	21	6	18	6
Thursday	21	6	18	6
Friday	21	6	18	6

Cake and Meal.—The tone of Southern markets was reported as easier, sentiment being influenced by developments in outside markets. Trade was reported as quiet with offerings generally light.

Markets at Other Centers

Atlanta, Aug. 23.—Weather continues favorable in the Eastern belt. Meal of 8 percent grade, is offered at $22.50 to $23.50 at interior Southeastern markets. Prime crude oil is offered at 7c. per pound.

Memphis, Aug. 26.—Crude cottonseed oil ruled quiet during the week. The last business reported was at 6⅝c. Today 6½c. generally bid. There has been very little trading in new crop crude in this section. Some mills will start up next week. Only scattered gins are now running. Seed $22 to $23 per ton at gin points. Farmers complaining over the low prices prevailing for seed and some resistance is expected unless the market improves. Meal quiet and steady at $21 per ton at Memphis for 41 percent, August-September shipment. Bulk slab cake $18 per ton at Valley points for August-September shipment. Weather clear and hot. Complaints numerous of insect damage. Hulls, $2 to $2.50 per ton at mill points, according to location, September-October shipment.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	August 19.	August 26.
August	$21.00@—	$20.25@—
September	21.25@21.50	20.15@20.35
October	21.55@21.85	20.40@20.65
December	21.75@22.00	20.75@21.25

Fatty Acids

Coconut Oil.—The market for this fatty acid had a firmer tone, quotations in some instances being ¼c. to ½c. higher. There was a fair movement to consumers in the soap and cosmetic industries on contracts but new business was quieter as usual at this period of the year.

Cottonseed Oil.—This fatty acid met with a somewhat better inquiry. Makers of soaps and synthetic resins were not inclined to anticipate to any extent but an increase was noted in some quarters in the volume of inquiries for small or moderate quantities. Quotations were ¼c. to ½c. higher and the tone of the market appeared to be firm.

Linseed Oil.—Demand was slow much of the time, recent developments in basic material making consumers disposed to hold off. Consumption was said to be on a fair scale for this period of the year but so far as new business was concerned there was little in the way of activity to record.

Palm Oil.—There were reports of a somewhat better inquiry for this fatty acid from makers of compounds used in the textile industry but actual business was apparently limited to unimportant quantities. The market had a steady tone.

Stearic Acid.—Quotations were maintained at previous levels and the tone of the market appeared to be steady. There was little change in the character of business. A fair inquiry was noted in some quarters but as usual at this season consumers were disinclined to provide for future needs.

Tall Oil.—Quotations were stationary and the general situation remained about as noted in recent preceding weeks. Consumption appeared to be holding up fairly well for this period of the year though quieter conditions prevailed last week so far as new business was concerned.

Markets at Other Centers

Chicago, Aug. 26.—Buyers of fatty acids are returning to the market with a show of some interest and business is being placed on a moderately good basis. Prices for the most part are holding without special change.

FATTY ACIDS.—Corn oil, double distilled, 8c. to 8¼c. per pound, tankcar; 8½c. to 8¾c., barrels, car lots; 9c. to 9¼c., barrels, less than car lots; coconut oil, acidulated, 8½c. to 8¾c. per pound, tankcar; 9c. to 9¼c., barrels, car lots; 9½c. to 9¾c., barrels, less than car lots; cottonseed oil, distilled, 7½c. to 7¾c. per pound, tankcar; 8c. to 8¼c., barrels, car lots; 8½c. to 8¾c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 2⅞c. to 3⅛c.; boiled down soap stock, 65 percent basis, 3⅞c. to 4⅛c.; cottonseed foots, 50 percent basis, 1⅜c. to 1½c.

STEARIC ACID.—Distilled, single press, 10c. to 11c. per pound; double press, 10½c. to 11½c.; triple press, 13¼c. to 14¼c.; saponified, ¼c. higher.

Fish Oils

Menhaden.—Previous selling schedules for refined oil remained in effect and the tone of the market appeared to be steady. There was little change in the character of business. A somewhat better inquiry was noted but as in recent preceding weeks, purchasing was along jobbing lines, consumers being disinclined to anticipate at this season. Offerings of crude oil continued to be reported as light.

Sardine.—A steady tone prevailed here but aside from this the local refined situation lacked features of interest. Buying was limited to small or moderate quantities, the movement of such lots being fair in the aggregate. Crude was reported to have sold at 28½c. per gallon on the Coast.

Sperm.—In a jobbing way there was a fair demand from local and other buyers and the market retained a steady tone, previous quotations being repeated.

Whale.—Quotations on refined oil were reduced 6-10c. per pound, the easier situation being attributed to a lack of demand of importance and recent depressing developments in the market for other oils and fats.

Based on the best obtainable information concerning the probable participation of the various countries in the coming Antarctic season from December 8, 1938 to March 7, 1939, the Foodstuffs Division, Bureau of Foreign and Domestic Commerce at Washington estimates that the whale and sperm oil production will slightly exceed the 3,338,850 barrels (374 1/3 pounds each) that is now reported as the total for the 1937-38 season, including an estimated 45,000 barrels each from the Argentine and British land stations at South Georgia, it was announced last week.

Markets at Other Centers

San Francisco, Aug. 23.—While rival unions' disputes paralyzed the sardine reduction industry on San Francisco Bay last week—an area that so far this season has not been in operation—heavy tonnages of fish were being poured into the Monterey Bay reduction factories and reports today were to the effect that the plants were about ready to close down because tonnage allotments for the month were about to be filled. Oil weakened slightly during this period. Sales of the California product in small quantity were reported in reliable channels on the basis of 28½c. per gallon in tankcars, a drop of one-half cent from the price ruling during the previous period. Meantime, the best bids in the market today were on the basis of an even 28c., while producers were holding out for 29c.

Elsewhere on the Pacific Coast, fishing operations were reported as fair to good, but little is being done marketwise for the moment. It is thought that most of the potential Alaska herring yield has been spoken for, but actual figures are not available and much depends as yet on the final outcome of oil production.

A check today revealed that in the Monterey section about 10,000 tons of sardines were turned in during the week, bringing the total tonnage for the month of August to date somewhere between 12,500 and 15,000 tons. It is currently reported by the plants that because of the softness of the fish the largest part of this tonnage is going into straight reduction and not canning.

California marketing operations, unlike other areas on the Coast, have not really opened up this season as yet. Producers have sold probably as much as 200 to 225 tankcars of oil; possibly more, but most of them haven't been at all satisfied with prices and have been holding back.

Baltimore, Aug. 24.—The menhaden fishing fleet which operated in the lower Chesapeake Bay met with better results last week than for some time past, and a relatively good yield is reported, with consequent increase in the production of oil. This improvement, however, still leaves the factories short with reference to the commitments, and there will have to be a much greater gain in the output of oil if the contracts now on the books are to be taken care of. The fishing off the Jersey and Delaware coasts, according to reports, has remained good, and this may serve to ease the situation so far as the buyers of oil are concerned. Sales are still made in small lots—a tank or two at a time—without any real stir in the market. In view of the scantness of stocks, and of the many orders on hand, no new offers of supplies are put out, the chance of filling them in case of acceptance being rather doubtful. The fact that much of the production must be drawn from a distance results in less desirable grades coming into the market, an excessive acid content being the chief drawback. Refined stocks stand at approximately 53c. to 55c. per gallon for yellow pressed, 55c. to 57c. per gallon for white bleached and at 57c. to 59c. per gallon for yellow bleached supplies.

Fats and Greases

Grease.—Quotations underwent little change during the week, the prevailing tone being steady. There were reports of a somewhat better inquiry for moderate lots to fill the current requirements of consumers.

Lard.—Cash prices had a downward trend at times but changes were generally moderate in company with developments in futures in the West where the speculation was quieter. There was a fair demand here from local and other consumers. The export movement was also on a fair scale.

Stearin.—Offerings were light and the market was apparently steady at the recent decline. There were reports of a fair inquiry.

Tallow.—The prevailing tone was steady. Occasional transactions in small or moderate quantities were noted but large consumers were apparently disposed to hold off for further developments in other commodities. On the other hand offerings were light and it was contended by some that supplies on the spot were comparatively small. The last business reported was at 5¼c. per pound, f.o.b. for extra.

Trading in tallow futures on the New York Produce Exchange from August 20 to August 26, inclusive, comprised 11 contracts, a total of 660,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
September	5.40	5.35	5.20@5.40
October	5.45	5.40	5.30@5.40
November	5.55	5.55	5.35@5.50
December	5.60	5.60	5.45@5.55

Markets at Other Centers

Chicago, Aug. 26.—Trading in cash lard has been along quiet lines, with buyers still preferring to stick mainly to the safe and cautious policy.

The range of lard quotations from the opening Saturday, August 20, to the close Friday, August 26, is shown in the following table:—

	Per 100 pounds				
	Open.	High.	Low.	Close.	Previous Friday.
Cash	$8.12	$8.12	$7.92	$7.85	$8.15
October	8.22	8.22	7.85	7.87	8.20
December	8.20	8.22	7.92	8.00	8.17

TALLOWS (tierces).—Edible, 6¾c. to 7c. per pound; prime, 5⅜c. to 5⅝c.; fancy, 5½c. to 5¾c.; special, 5⅛c. to 5⅜c.; No. 1, 4⅞c. to 5⅛c.

GREASES (tierces).—Choice white, 5½c. to 5⅝c. per pound; A white, 5¼c. to 5⅜c.; B white, 5⅛c. to 5¼c.; yellow, 10-16, 5c. to 5⅛c.; brown, 4½c. to 4⅝c.

STEARINS (barrels).—Prime oleo, 7½c. to 7¾c. per pound; lard, packages, 8¾c. to 9c.; A white grease, 5¼c. to 5½c.; yellow grease, 5c. to 5¼c.; extra oleo stocks, 8¾c. to 9c.; No. 2 stocks, 8½c. to 8¾c.

Liverpool, Aug. 26.—Quotations per cwt. on refined American lard were as follows:—

	Spot.		Sept.		Oct.		Jan.	
	s.	d.	s.	d.	s.	d.	s.	d.
Saturday	45	6	41	3	41	9	42	3
Monday	45	0	40	9	41	6	41	9
Tuesday	45	0	40	0	40	9	41	9
Wednesday	45	0	40	0	40	9	41	9
Thursday	45	0	40	0	41	0	41	9
Friday	45	0	40	3	41	0	42	0

Liverpool, Aug. 26.—Quotations per cwt. on tallow were as follows:—

	Choice.		Fine, good mixed.	
	s.	d.	s.	d.
Saturday	21	9	18	6
Monday	21	9	18	6
Tuesday	21	9	18	6
Wednesday	21	3	18	6
Thursday	21	3	18	6
Friday	21	3	18	6

Animal Oils

Degras.—With production on a comparatively small scale for some time past and with supplies of both demestic and imported product light, the market retained a firm tone. There was a fair inquiry.

Lard.—The market was easier, this being a reflection of recent developments in material. Quotations were reduced ¼c. to ½c. per pound. There was a fair inquiry though consumers were still generally disinclined to provide for future needs.

Neatsfoot.—Prime was reduced ½c. per pound, but quotations on other grades were held at former levels. There was a fair movement into local and other consuming channels.

Waxes

Bees.—Buyers of crude wax were in the market infrequently last week and their ideas as to buying prices were usually considerably below the asking price of those with wax to sell. Prices on bleached and refined material were on the firm side, this angle of the market being the more prominent for the reason that stocks of those materials have been gaining throughout the Summer months.

—Continued on page 48

SUN BLEACHED
Beehive Brand BEESWAX
• Finest Quality
• Guaranteed Pure
WILL & BAUMER CANDLE CO., INC.
Dept. E9 Syracuse, N. Y.
Established 1855
Spermaceti Red Oil Glycerine
Ceresine Stearic Acid
WARRANTED PURE BEESWAX

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

New Uses Are Indicated for PHOSPHOLEUM

(TETRA PHOSPHORIC ACID)

A Superior, High Strength Phosphoric Acid

PHOSPHOLEUM is the trade name for Monsanto Tetra Phosphoric Acid, a high strength phosphoric acid analogous to the oleums of sulfuric acid. It has a P_2O_5 content of 83% compared with 55% for the ordinary 75% ortho phosphoric acid of commerce. The P_2O_5 content corresponds to the formula $H_6P_4O_{13}$ and the acid contains no water except that of chemical combination.

PHOSPHOLEUM is practically a water-white viscous liquid which does not crystallize at a temperature as low as -50° C.

This acid of high P_2O_5 content lends itself readily to the preparation of organic phosphates; can be used as a dehydrating agent; and permits development of processes heretofore retarded because of a lack of suitable phosphoric acid of comparable strength.

A sample of MONSANTO PHOSPHOLEUM will be sent to you on request for your experimentation.

SPECIFICATIONS OF PHOSPHOLEUM

Description and Color	Practically water-white viscous liquid
Viscosity (Saybolt Universal)	2000 sec. @ 85° C. 700 sec. @ 125° C.
Specific Gravity (Water at 36.1° C.)	20° C. — 2.060 100° C. — 1.983 125° C. — 1.960
P_2O_5	82% — 84%
Crystallizing Point	No crystallization at -50° C.

Monsanto Chemical Company
ST. LOUIS, U.S.A.
New York • Chicago • Boston • Birmingham
Charlotte • Detroit • Los Angeles
San Francisco • Montreal

Monsanto Phosphates Include:

Mono Sodium Phosphate	Mono Ammonium Phosphate
Di Sodium Phosphate	Di Ammonium Phosphate
Tri Sodium Phosphate	Mono Calcium Phosphate
Sodium Pyrophosphate	Di Calcium Phosphate
	Tri Calcium Phosphate

CHEMICALS of QUALITY
Monsanto
ST. LOUIS, U.S.A.

Drugs, Fine Chemicals

False Report of Rebel Capture of Spanish Quicksilver Mines at Almaden Agitates Pacific Coast Market as Prices Fall Here—Cocoa Butter Up

Some improvement in market activity reached the drug and fine chemical group last week. Although the gain in business was moderate in size, it did relieve the market from the spotty condition that had been reported for the past several weeks. Prices continued to be well stabilized and were expected to remain steady in the main.

Quicksilver attracted much attention. Early in the period it was learned that the market in San Francisco became agitated late in the previous period when a false report that the Spanish mercury mines at Almaden had been captured by the Franco rebels reached that city together with the equally false report that prices had advanced sharply in New York because the loyalists had destroyed the mines prior to their alleged capture. The Coast inquired here for information and learned that not only was the report false, but prices had actually declined further.

A decline in prices on cadmium metal developed last Thursday notwithstanding the fact that an increased demand for metal seemed likely now that the automobile industry was increasing activity. Bismuth metal and salts held very steady and were in fair request.

Vanillin prices yielded once more to the hammer blows of keen competition, establishing a new and record low level of values. Glycerin lacked price change but conditions seemed to favor buyers. Quinine moved very well to the South and Southwest. Codliver oil was dull. Outlook for better business in acetylsalicylic acid, codeine, citrated caffeine, ammonia chloride, creosote, and guaiacol was noted. Aloin was higher.

Possibility of a general trucking strike in this city on the expiration of the current agreement on August 31 was reported and many sellers urged buyers to order now their merchandise needs for the early part of September.

Acid, Citric.—Toward mid-week a sharp drop in temperatures came to the East Coast, resulting in some shrinkage of demand originating with the manufacturers of beverages. However, the market continued to have a steady tone and prices lacked change.

Acid, Tartaric.—Prices were firm and the market was free from much competition. While demand was not large, it was reasonably steady, notwithstanding the fact that cooler weather tended to reduce the interest which beverage manufacturers had shown recently.

Alcohol.—While there was no open change in official price schedules, reports indicated that an undercurrent of competition still flowed through the market and rendered the price situation subject to considerable unsettlement and uncertainty, notwithstanding the fact that the season for large sales of completely denatured material is not far away. While none would commit themselves regarding an early change in official schedules, such a change would not come as a surprise. When it is considered that complaints about prices being too low have been many, the situation as a whole certainly was disturbing to the producing trade. Comparative statistics on alcohol for July in 1938 and 1937, as prepared by Alcohol Tax Unit, Bureau of Internal Revenue, Treasury Department, Washington, D. C., follow:—

Ethyl Alcohol

	Proof gallons— 1938.	1937.
Production	16,370,040	18,233,750
Withdrawn, tax paid	1,684,093	2,242,006
tax free	12,604,099	13,316,190
Stocks, July 31	33,726,963	30,922,077

Denatured Alcohol

	Wine gallons— 1938.	1937.
Completely		
Produced	1,303,324	1,027,067
Removed	1,268,542	926,013
Stocks, July 31	732,896	957,886
Specially		
Produced	5,407,884	5,725,806
Removed	5,456,310	5,657,649
Stocks	437,548	864,396

Bonded Dealers

Specially denatured—	Wine gallons— 1938.	1937.
Received from denaturing plants	243,930	286,853
Disposed to bonded manufacturers	261,124	284,839
Inter-dealer shipments	7,090	3,821
Stocks, July 31	260,623	351,805

Aloin.—The market continued strong and advanced to subject to further advance the basis of $2.65 per pound. The situation as to raw material warranted the above advance; it was strong in all its aspects.

Ammonia Benzoate.—Business was fairly steady but distinctly routine in character. Movement into consumption has changed very little for some time past and on the whole the market last week showed considerable stability as quoted. Stocks were ample.

Bismuth Metal and Salts.—Unchanged prices and a very steady position prevailed in the market for this article last week. Producers of metal reported a very good movement to the makers of salts and the latter group was subject to steady if routine demand.

Cadmium.—Prices were lower at $1.05 per pound notwithstanding a notable improvement in the outlook for demand from the plating industry. Automobile builders are stepping up production schedules and a gain in such production must mean greater activity on the part of the platers.

Caffeine.—Inquiry was very good and sales were said to have built a very good volume by the close of last week. Prices on all varieties of this article were steady. Considerably improved demand for citrated material was expected to develop soon because of seasonal considerations.

Castor Oil.—Better business this Fall was expected since signs of revival of activity in some consuming industries with the arrival of Fall. Prices have been steady for a long time and nothing at this time suggests an early change in that respect of a very steady market.

CHICAGO, Aug. 25.—Demand for castor oil is reported attaining comparatively good volume. Inquiry has been better and buying has tended to open up. Seasonal considerations are a factor to some extent. Ruling prices are:—No. 1, barrels, car lots, 10½c. per pound; barrels, less than car lots, 10⅞c.; returnable drums, car lots, 9⅞c.; less than car lots, 10⅝c.; tanks, 9⅜c.; No. 3, barrels, car lots, 9⅝c.; barrels, less than car lots, 10⅜c.; drums, less than car lots, 10⅛c.; tanks, 8⅞c.

Chloroform.—Marked stability of prices was noted. The schedule on both U.S.P. and technical material was well maintained and the undertone of the market was fully steady. Demand was not large but it flowed steadily from the consuming industries.

Cinchophen.—A slight gain in inquiry and some improvement in sales was noted last week. A firmer undertone prevailed on the spot and the general market position was said to be very steady. Since stocks were ample, shipments were prompt.

Cocoa Butter.—Prices were slightly higher at 12½c. to 12⅝c. per pound notwithstanding the fact that demand was very quiet at all times. The quotations prevailed on either spot or early September delivery and ruled over the above range according to seller.

Corn Syrup.—The recently lower price remained unchanged on the spot last week but with excellent crop prospects, the future of values was uncertain and will depend on further developments in the price of grain. De-

Price Changes

Prices were changed during the past week as follows:—

Advanced

Aloin, 15c. per lb.
Cocoa butter, ¼c. per lb.

Reduced

Cadmium metal, 15c. per lb.
Quicksilver, $1 per flask

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
181.9	182.0	183.0	181.5

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Industrial and Pharmaceutical Chemicals

SODIUM ACETATE
(Crystals)

SODIUM SULPHIDE
(Fused, Broken or Flake)

CHLOROPHYLL
(Water, Oil, or Alcohol Soluble)

R.W. GREEFF & CO.
10 East 40th Street New York, N. Y.

HEYDEN
FINE CHEMICALS

FORMALDEHYDE
U.S.P.
A clear water white solution of uniform purity

PARAFORMALDEHYDE • METHENAMINE

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DRUG AND CHEMICAL SECTION
NEW YORK BOARD OF TRADE
Fall Meeting and Golf Tournament,
October 21-22, 1938 at Sky Top. Pa.

HEYDEN CHEMICAL CORPORATION
NEW YORK—50 Union Square
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mand was routine but reasonably active.

Ephedrine. — Competition was still keen but no further reduction in price schedules has taken place, though further movement in favor of buyers has been declared to be not unlikely if present conditions continue. A tempering factor in the situation would be the development of excellent demand during the coming Fall.

Glycerin.—Further unfolding of the situation failed to come. For the most part, conditions appeared to favor buyers more than sellers. Stocks were of substantial size and competitive conditions tended to work in the interest of manufacturing consumers with firm orders for substantial quantities. The fact that one of the largest domestic consumers in the not far distant past saw fit to buy a very large amount of Japanese glycerin has, of course, reduced the sales outlet of the domestic manufacturers to that extent.

CHICAGO, Aug. 25.—The c.p. glycerin market seems to be quite active. Orders are coming along at a brisk rate, being better and more general than in some time. Part of this is ascribed to seasonal needs and a part to a better over-all sentiment in business generally. Other grades are steady, with crude market conditions reported rather stable. Ruling prices are:—C.p., drums, 14¼c. per pound; drums, less than car lots, 14¾c.; cans, 16¼c. to 18¼c. according to quantity; high gravity, drums, car lots, 13¾c.

Hydrogen Peroxide. — It has been a very good season for the U.S.P. quality of material and with prices holding very steady, conditions have been fairly satisfactory in the main.

Iodine and Iodides. — Since the upheaval in prices a short time back, the market has assumed a routine aspect in which quotations ruled more or less firm to steady and demand was about level with expectations at this season of the year. Undertones were on the firm side.

Magnesia.—Carbonate was very steady and movement was well maintained, though not expansive last week. Steadier conditions have prevailed on calcined material since the recent naming of a flat price prevailing without regard of quantity. Hypophosphite was in jobbing request for the most part at steady prices.

Mercurials.—The future of prices on this group was tied closely to two market factors. First, with the uncertainty concerning the future of the raw material market at home and abroad; and, second, with the extent to which Italian manufactured mercurials can find a consumption market here. At the moment, raw material is showing an easier aspect, while the Italian goods were being offered at competitive prices. However, the dependable quality of home manufactured mercurials was working in favor of the domestic industry.

Milk Powder. — Complaint of overproduction of raw milk was widespread and it would not be surprising if the AAA should again come to the rescue of milk powder makers by taking further large quantities of their surplus stocks. Prices were easy.

Quicksilver.—Telegrams reaching this market from the Pacific Coast declared that San Francisco quicksilver merchants and miners late in the previous week received information reporting the fall of the Spanish mercury mines at Almaden before the attack of the Franco rebel army. The report said that New York quicksilver prices skyrocketed when the news from Spain reported also the destruction of the Almaden mines. None of these events actually took place. Late in the previous week, the Spanish government forces actually thrust the rebels back in Ciudad Real. New York prices were easier and lower at $75 per flask as a quoted figure with conditions favoring a shading of that figure on attractive business. The situation in Spain is shown in the following despatches.

HENDAYE, France, Aug. 24.—In Estremadura the Nationalists' new thrust toward Almaden, started three days ago from the Tagus sector southwest of Talavera, is said to have resulted in the capture of various villages and hamlets. Today the Nationalist vanguard was operating near the village of Puerto de San Vicente, about fifty-five miles north of Almaden.

The recent Nationalist push toward Spain's valuable mercury mines of Almaden was chiefly from west to east. The present operations are from north to south, but there is much difficult country to conquer before Almaden becomes really threatened.

BARCELONA, Spain, Aug. 25.—Government troops report they have routed the Rebels on the western side of the Zujar River, in Southwestern Spain, thus lifting the immediate threat from the west against the Almaden mercury mines, according to tonight's communique.

SAN FRANCISCO, Aug. 23.—Sellers' prices were $76 to $76.50 per flask, nominal, but business was closed at a shade under the minimum quotation when a fairly substantial amount of metal was bought for eastern account.

Early this Summer, a San Francisco bank bough approximately 2,500 flasks of metal on this market and stored it in the bank vaults. Name of the buyer has never been revealed; at the time of purchase, it was currently believed that the purchase was for the account of a foreign buyer. The consideration was close to $70 per flask.

The metal was delivered to the bank by armored trucks, a far more expensive transport than drayage by ordinary commercial trucks. This metal is still in the vaults. The bank was a further buyer last week and was forced to store the new purchase elsewhere. The San Francisco quicksilver trade asked the following questions last week but got no answers: Why was the metal bought? Who bought it? What is going to be done with it?

Quinine. — Demand continued to be very good. Weather conditions in the South and Southwest have been highly favorable to an enlarged consumption of sulphate of quinine and hence the market was active in point of shipments. Prices ruled very steady.

Santonin. — Business was poor last week. In fact, it has not been very good at any time this Summer and last Spring. Low prices continued to prevail and the market was one of easy undertones.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 500 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	31½	42¾	19⅛
Monday	31½	42¾	19⅛
Tuesday	31½	42¾	19⅛
Wednesday	31½	42¾	19⅛
Thursday	31½	42¾	19⅛
Friday	31½	42¾	19⅛

Soda Benzoate. — Shipments to consumers were in very good volume and when the final figures for this season are in, it is expected that a very good showing will be made. Stability of price has aided in the free selling of ample quantities of merchandise.

Vanillin. — Competition between the leading manufacturers brought lower prices on all kinds of this material. Minimum quotations were: Ex eugenol, $2.10 per pound; ex guaiacol, $2; ex lignin, $2. At one time recently, it seemed not improbable that the excessive competition would be modified but evidently the basic market position has not changed.

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Packed in drums and cans
Also other grades—Stocks in principal cities
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QUALITY STANDARD THE WORLD OVER SINCE 1883
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ACETAMIDE
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for Soldering Pastes and Fluxes
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Advance Publication Announcement
G. E. Stechert & Co., 31 East 10th Street, New York, announce the publication of the following companion books, on or about October 1, 1938:
"Federal Food, Drug, and Cosmetic Act"
(Dunn)
Pages: over 1000; Retail Price: $6.00;
and
"Wheeler-Lea Act"
(Dunn)
Pages: over 500; Retail Price: $4.00
Each book contains a comprehensive statement of the legislative record of the act and a comprehensive subject index of it, prepared by Charles Wesley Dunn of the New York Bar. It is an authoritative source of information on the development of the act and its intendment.
SPECIAL OFFER: A combination price of $8.00 for the two books; or a 20% discount.
SPECIAL NOTICE: Each subscriber to the Food, Drug and Cosmetic Service by the Bureau of National Affairs, Inc., Washington, D. C., will receive the two books gratis.

Industrial Uses of Chemicals and Related Materials

(Formerly styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Six-hundred-eighth Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Ammonium Phthalamate

Paint and Varnish

Starting point (Brit. 457786 and 410814) in making—
Metal-phthalocyanin pigments with aminosulphonic acids and metal salts

Barium-Aluminum Silicates

Mechanical

As grinding balls in—
Grinding mills

Metallurgical

Refractory for—
Aluminum melting furnaces

Miscellaneous

Material resistant to—
Chemical attack X-rays
Salt glazes

2-1'-Benzothiazoylthiol-quinolin Ethiodide

Dye

Process material (Brit. 454687) in making—
Cyanin dyes

N-Butylamine Fluosilicate

Disinfectant

Disinfectant
Ingredient (Brit. 391141) of—
Disinfectant preparations in aqueous liquid or power form

Insecticide

Insecticide
Ingredient (Brit. 391141) of—
Insecticidal preparations in aqueous liquid or powder form, diluted with spreading agents

Miscellaneous

Ingredient (Brit. 391141) of—
Mothproofing compositions for use in treating furs, feathers, and the like
Mothproofing agent

Textile

Ingredient (Brit. 391141) of—
Mothproofing compositions for use in treating wool and felt
Mothproofing agent

Wood

Ingredient (Brit. 391141) of—
Compositions used for preserving wood
Wood preservative

Butylphenol

Fats and Oils

Rancidity inhibitor (Brit. 440364) for—
Fats and oils having an iodine number below 135

4-Chlororesorcinol Normal Heptylether

Disinfectant

Germicide (U.S. 2036827)

Copper-Phthalocyanin

Paint and Varnish

Pigment (Brit. 457786)

Paper

Starting point (Brit. 449805 and 418367 and 410814) in making—
Printing pastes with the condensation product of formaldehyde and naphthalene sulphonic acid (these pastes are said to color paper, cardboard, paperboard, and the like, equally on both sides, in brilliant shades of color)

Di-normal-butyl Disulphide

Petroleum

Antioxidant and stabilizer (Brit. 462146) for—
Highly refined mineral oils
Lubricating oils which have been treated with sulphuric acid in the refining process
Viscous transformer oils

Gamma-4-N-hexylcyclohexylbutyric Acid

Chemical

Wetting agent (Brit. 449865) in—
Emulsions of various chemicals
Textile lubricants

Cosmetic

Wetting agent (Brit. 449865) in various cosmetic preparations

Disinfectant

Wetting agent (Brit. 449865) in—
Disinfecting compositions
Germicidal compositions

Dye

Wetting agent (Brit. 449865)

Fats, Oils, and Waxes

Wetting agent (Brit. 449865) in—
Boring oils
Drilling oils
Greasing compositions
Lubricating compositions
Sulphonated oils
Wax preparations
Wire-drawing oils

Glue and Adhesives

Wetting agent (Brit. 449865) in—
Adhesive preparations

Ink

Wetting agent (Brit. 449865) in—
Printing inks Writing inks

Insecticide

Wetting agent (Brit. 449865) in—
Fungicidal compositions
Horticultural sprays
Insecticidal compositions

Leather

Wetting agent (Brit. 449865) in—
Dressing compositions
Fat-liquoring compositions
Finishing compositions
Soaking compositions
Softening compositions
Tanning compositions
Waterproofing compositions

Miscellaneous

Modifier (Brit. 449865) of—
Surface tension of liquids in various products and processes
Wetting agent (Brit. 449865) in—
Polishing compositions for furniture, automobile, metals, wood
Various processes involving aqueous solutions, such as soaking, washing, impregnating, penetrating, wetting
Waterproofing compositions

Paint and Varnish

Wetting agent (Brit. 449865) in—
Lacquers Varnishes
Paints

Paper

Wetting agent (Brit. 449865) in—
Sizing compositions
Waterproofing compositions
Waxing compositions

Petroleum

Wetting agent (Brit. 449865) in—
Cutting oils
Mineral oil compositions
Pitch compositions
Tar compositions

Rubber

Wetting agent (Brit. 449865) in—
Cements

Soap

Wetting agent (Brit. 449865) in—
Detergent compositions
Textile soaps

Textile

Bleaching

Wetting agent (Brit. 449865) in—
Bleaching baths

Dyeing

Wetting agent (Brit. 449865) in—
Dye baths

Finishing

Wetting agent (Brit. 449865) in—
Coating compositions
Scouring compositions
Sizing compositions
Washing compositions
Waterproofing compositions
Waxing compositions

Manufacturing

Wetting agent (Brit. 449865) in—
Bowking baths
Carbonizing baths
Degreasing compositions
Degumming and boiling-off baths
Fulling baths
Kier-boiling baths
Mercerizing baths
Oiling compositions
Soaking baths
Spinning compositions

Printing

Wetting agent (Brit. 449865) in—
Printing pastes

4-Nitroanhydrohydroxymercuriorthocresol

Pharmaceutical

Ingredient (U.S. 1947519) of—
Medicinal oil solutions

Nondecylic Acid Chloride

Chemical

Starting point (Brit. 453778) in making—
Emulsifying agents by sulphonating products of its reaction with benzene, toluene, xylene, diphenyl, phenanthrene, naphthalene, or tetrahydronaphthalene

Lubricant

Starting point (Brit. 453778) in making—
Lubricants with benzene, toluene, xylene, diphenyl, phenanthrene, naphthalene, or tetrahydronaphthalene

Octadecyl Dichlorostearate

Lubricant

Addition agent (Brit. 459719 and 422956) in—
Hydrocarbon lubricating oils
As a lubricant (Brit. 459719 and 422956)

Paratoluenesulphonacetethylanilide

Ceramic

Plasticizer (U.S. 1991012) in—
Compositions, containing cellulose esters or ethers, used as coatings for protecting and decorating ceramic products

Chemical

Solvent and plasticizer (U.S. 1991012) for—
Cellulose esters and ethers

Cosmetic

Plasticizer (U.S. 1991012) in—
Nail enamels and lacquers containing cellulose esters as base material

Electrical

Plasticizer (U.S. 1991012) in—
Insulating compositions, containing cellulose esters, used for covering wire and in making electrical machinery and equipment

Glass

Plasticizer (U.S. 1991012) in—
Compositions, containing cellulose esters or ethers, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware

Glue and Adhesives

Plasticizer (U.S. 1991012) in—
Adhesives compositions containing cellulose esters or ethers

Leather

Plasticizer (U.S. 1991012) in—
Compositions, containing cellulose esters or ethers, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods

Metal Fabricating

Plasticizer (U.S. 1991012) in—
Compositions, containing cellulose esters or ethers, used as coatings for protecting and decorating metallic articles

Miscellaneous

Plasticizer (U.S. 1991012) in—
Coating compositions, containing cellulose esters or ethers, used for protecting and decorating various articles

Paint and Varnish

Plasticizer (U.S. 1991012) in—
Paints, varnishes, lacquers, enamels, and dopes containing cellulose esters or ethers

Paper

Plasticizer (U.S. 1991012) in—
Compositions, containing cellulose esters or ethers, used in the manufacture of coated papers and as coatings for decorating and protecting products made of paper or pulp

Photographic

Plasticizer (U.S. 1991012) in making—
Films from cellulose esters or ethers

Plastics

Plasticizer (U.S. 1991012) in making—
Laminated fiber products
Molded products
Plastics from or containing cellulose esters or ethers

Resins

Plasticizer (U.S. 1991012) in making—
Artificial resins from or containing cellulose esters or ethers

Rubber

Plasticizer (U.S. 1991012) in—
Compositions, containing cellulose esters or ethers, used as coatings for protecting and decorating rubber goods

Stone

Plasticizer (U.S. 1991012) in—
Compositions, containing cellulose esters or ethers, used as coatings for decorating and protecting artificial and natural stone

Textile

Plasticizer (U.S. 1991012) in—
Compositions, containing cellulose esters or ethers, used in the manufacture of coated fabrics

Wood

Plasticizer (U.S. 1991012) in—
Compositions, containing cellulose esters or ethers, used as protective and decorative coatings on woodwork

Sodium-Piperidylpentamethylene Dithiocarbamate

Rubber

Accelerator in—
Vulcanizing processes

SEED

The seed of the Penick botanical business was "planted" many, many years ago. This seed was nurtured with the motive—"the Initial Source of Supply for Quality Botanicals." The growth of the Penick organization attests its adherence to that principle. Today, Penick has taken root in every part of the world. The same rule is still in force—

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From one reliable source — Penick — you can obtain **GUMS, INSECTICIDE BASES, CRUDE BOTANICALS, FISH LIVER OILS, SOLID AND POWDERED EXTRACTS, ALKALOIDS, COSMETIC RAW MATERIALS.** Prompt shipments from a stock of about 1000 plant drugs. Reasonable prices.

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132 NASSAU STREET, NEW YORK **1228 W. KINZIE STREET, CHICAGO**

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Squibb & Sons Forms Research Institute

—Continued from page 3

Dr. Harrop was born in Peru, Ill., in 1890, and was graduated from Harvard College in 1912. He received the M.D. degree in 1916 from Johns Hopkins Medical School. From 1916 to 1919 he was instructor in medicine at Johns Hopkins. During 1919-20 he was assistant in physiology at the University of Copenhagen. He was associate in medicine at Columbia from 1921-23, and an associate professor in Peking Union Medical College in 1923-24. In 1924 he became a member of the faculty of internal medicine at Johns Hopkins.

Dr. Harry B. van Dyke has been chosen head of the division of pharmacology. He comes to the institute from Peiping Union Medical College in China, where he was professor and head of the department of pharmacology. He was also formerly a professor of pharmacology in the University of Chicago. Associates in this division are Dr. Roy O. Greep, who has been an instructor in the biological division of Harvard University, and Dr. B. F. Chow, former associate professor in Peiping Union Medical College, and former member of the department of organic chemistry at Harvard University and at the Rockefeller Institute for Medical Research, this city.

Dr. Geoffrey W. Rake, former research associate in the Connaught Laboratories of Toronto University, heads the division of bacteriology and virus diseases. Dr. Rake has also been on the staff of the Rockefeller Institute. Associates in this division are Dr. Arthur E. O. Menzel, previously instructor in biological chemistry in the Columbia University School of Medicine, and Dr. Morris F. Shaffer, formerly assistant in the department of immunology of the school of public health of the Harvard University Medical School.

The head of the division of organic chemistry will be Dr. Erhard Fernholz, formerly of the University of Goettingen, and Princeton University, and more recently with the research laboratory of Merck & Co., pharmaceuticals, Rahway, N. J. Associates in this division are Dr. Homer E. Stavely, formerly research fellow in the Sterling chemistry laboratory at Yale University, and Harold B. MacPhillamy, a graduate student in the organic chemistry department of Columbia University.

Dr. Hans Jensen, formerly of the institute of experimental biology of the University of California, will be associate in charge of the biochemical laboratory. Dr. Jensen is a former assistant professor of pharmacology at Johns Hopkins, where he cooperated with the late Prof. John Jacob Abel in purifying and crystallizing insulin. Dr. Sibylle Tolksdorf, who also has been engaged in research at the institute of experimental biology of the University of California, will be an assistant.

William A. Lott, formerly instructor in chemistry at Rutgers University, will be associate in charge of the medicinal chemistry laboratory. Dr. F. H. Bergeim will be associate, and Dr. D. F. Menard, formerly research chemist at the General Aniline Works, will be an assistant.

To provide clinical facilities for the research staff, a plan of hospital affiliation is being worked out by the division of experimental medicine. A free ward of fifteen or twenty beds will be maintained for the observation of patients in connection with various problems being studied at the institute.

Under the direction of the division of experimental medicine, new fellowships in medical schools will be established by the institute for the study of cancer, syphilis, and hormones. Other fellowships now sponsored by Squibb & Sons will be continued as part of the institute's program.

The mechanism of surgical shock is among the researches planned by this division. The value of certain hormone preparations in the treatment of surgical shock is being tested. Another investigation aims to determine the value of vitamin K in checking hemorrhage after operations. Dr. Stefan Ansbacher, formerly research chemist with the Borden Company, has been named associate in the division and assigned to the vitamin laboratory.

Research on measles is being undertaken by the division of bacteriology and virus diseases. The investigation is directed towards the discovery of a small animal susceptible to measles. Dr. Rake and his colleagues are attempting to develop a measles serum that can be standardized to replace the now unstandardized sera.

The division of organic chemistry is carrying on research concerning the isolation, concentration, and chemical structure of vitamin K. Another study in progress under direction of Dr. Fernholz in collaboration with Dr. Archie Black deals with the isolation and purification of vitamin B_6, lack of which is related to the occurrence of the chronic disease pellagra. Dr. Fernholz is also collaborating with Dr. Ansbacher on the filtrate factor of vitamin B complex. The division's program also includes a theoretical investigation in the field of steroids.

The division of pharmacology is attempting to isolate and purify some of the hormones of the pituitary body. For the present the research concerns chiefly the anterior pituitary hormones, which maintain the ovaries and testes. Another investigation deals with new chemo-theratpeutic compounds. This division will also foster research in the field of synthetic medicinal remedies for the treatment of cardio-vascular diseases.

Iodine Export Ass'n Established in Japan

The Japan Iodine Export Association held its initial general meeting in Osaka recently, with twenty-nine representatives of iodine companies present.

A representative of the Japan Electric Industrial Company was named to act as chairman of the new organization, while a representative of the Koei Company, Ltd., was selected to serve as managing director. Representatives of the Yanagishima Pharmaceutical Company and the Nankai Chemical Industrial Company were named as directors and representatives of the Iwaki Ichitaro Shoten and the Japan Smelting Company were named as auditors.

Upon official recognition of the organization of the association by the government, the association will start activities at the new headquarters in Osaka. A total of thirty-one member companies have thus far joined the association, including thirteen from Tokyo, eleven from Osaka, four from Kobe and one each from Wakayama, Nagoya and Yokohama.

Exports of iodine from Japan during the first five months of 1938 amounted to about 1,700 pounds, as compared with about 2,300 pounds shipped during the same months of 1937, according to the office of the American commercial attache in Tokyo.

U.S.P. Standards Urged in Peru

The First Peruvian Chemical Congress, which met in Lima in July, recommended that the eleventh edition of the United States Pharmacopeia be made official for the country, replacing the French codex. The congress also recommended, according to information received by the Department of Commerce from the office of the commercial attache in Lima, that professional pharmacists be sent abroad each year at government expense to study modern methods.

Colgate-Palmolive-Peet Buys Goodwin Plant in England

An English affiliate of the Colgate-Palmolive-Peet Company, Jersey City, has purchased the business and plant of G. W. Goodwin & Sons, Manchester, England. After modernization, in addition to manufacturing Goodwin products, this plant will provide soap manufacturing facilities to supplement the present importations of Colgate company's soap from Canada.

Columbus Dental Manufacturing Company, Columbus, Ohio, has purchased the American Porcelain Company, Chicago.

Electro Metallurgical Company, a unit of the Union Carbide & Carbon Corporation, will feature recent developments in the use of alloy steels and iron in the metal industries in its exhibit at the National Metal Exposition, to be held in Convention Hall, Detroit, October 17 to 21.

Botanical Drugs, Spices, and Gums

Rise in Country Prices Brings Spot Advances on Golden Seal—Black Haw Down—Aletris Higher—Saffron from Spain Up Dried Raspberries Off

Although business continued to be moderate in size in the market for botanical drugs last week, there seemed to be a fair amount of good feeling in the trade and most suppliers of such entities were disposed to take a fairly reasonable view on the future of business when Fall shall have arrived. Pricewise, the major items showed either price stability or definite strength in values.

Cascara sagrada bark was an item of special strength last week. Basically, it apeared that values would work higher. A very small stock has been added to a good-sized carryover and primary market sellers have maintained fairly the recent advance. Golden seal prices in the country had advbut they eased off last week. However, it seems likely that there will be no over supply of the item this year.

Aletris root recovered from influences that had produced price declines in past weeks. Not only did the market become firmer but prices were advanced locally as a reflection of views of primary market operators. Senega root held all of its recent gain in strength and its advance in price. Spanish saffron was up with a lessening of competition. It was not certain, however, that the single lot that had depressed values recently had been moved into consumption.

On the side of lower prices were black haw bark, horehound herb, dried raspberries, and safflower, in addition to a number of items classified mainly as condimental materials.

Possibility of a general trucking strike in this city on the expiration of the current agreement on August 31 was noted and many sellers urged buyers to order now their merchandise requirements for the early part of September.

Entries of botanicals at the port of New York since the week of January 1, 1938, the detentions of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags— Detained.	Entered.
Anise	454	1,145
Belladonna	51	245
Caraway	784	6,813
Cardamom (cases)	45	1,051
Celery	...	1,243
Coriander	2,012	4,840
Cumin	412	1,762
Digitalis leaves (cases)	68	88
Dill	...	300
Fennel	236	679
Henbane leaves (bales)	42	107
Mustard	200	22,616
Poppy	300	23,976
Sage leaves (bales)	25	400
Sesame	953	7,926
Stramonium (bales)	516	518
Thyme (bales)	9	597

Price Changes

Prices were changed during the past week as follows:—

Advanced

Aletris root, 2c. per lb.
Arabic gum, ¼c. per lb.
Clove, Madagascar, ¼c. per lb.
Cumin seed, Algerian, ¼c. per lb.
Cascara sagrada bark, 1c. per lb.
Orange peel, sweet, 1c. per lb.
Pepper, black ,Tellicherry, ¼c. per lb.
Saffron, Spanish, $2 per lb.
Sage, garden, ¼c. per lb.

Reduced

Buchu leaves, 1c. per lb.
Black haw, root bark, 2c. per lb.
tree bark, 1c. per lb.
Cassia, Batavia No. 1, ¼c. per lb.
No. 2, ¼c. per lb.
Cinnamon, Ceylon No. 2, ¼c. per lb.
No. 3, ¼c. per lb.
Celery seed, French, ¼c. per lb.
Fir balsam, Canada, 25c. per gal.
Ginger root, Jamaica, bright grinding, ¼c. per lb.
Horehound herb, ½c. per lb.
Laurel leaves, ½c. per lb.
Linden flowers, with leaves, 2c. per lb.
Mustard seed, California brown, ¼c. per lb.
Paprika, Hungarian, extra fancy, ½c. per lb.
Pepper, black, Lampong, ½c. per lb.
white, Java Muntok, ¼c. per lb.
Saigon, ½c. per lb.
Raspberries, dried, 5c. per lb.
Safflower, 1c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
122.7	**122.7**	**124.5**	**126.9**

Market news that may have developed after this report was sent to press will be found on page 4.

Balsams

Copaiba. — Hand-to-mouth transactions were the rule last week and buyers' activity resulted in a routine volume of business that was little improved over that current in recent weeks. Prices remained low but steady.

Fir.—Canadian balsam was reduced further to the basis of $12.75 to $13 per gallon last week and fair quantities were available on the spot. Oregon balsam lacked change, moved slowly, was in not large spot supply, and future stocks were uncertain.

Barks

Angostura.—Trade was very slow last week. Only jobbing orders reached the spot and volume was low. Prices remained about steady, in that respect, reflecting the position of the article in the primary market.

Black Haw.—Following a period of reasonable stability of prices, the market turned easier again last week and root bark was lower at 23c. to 25c. per pound, while tree bark was down to 14c. to 15c. This, apparently, was the result of new crop influences on primary market replacement costs.

Cascara Sagrada.—The general feeling on spot was that large consumers will have to pay prices higher than they expect. The new peel has been kept down so much that some say it is the smallest crop of record. There remains a large stock of bark at least one year old and it is this bark which is being offered now. The prices quoted on the Pacific Coast are about 2c. above the lowest named earlier in the season. Those on spot were up to 11c. to 12c. per pound.

Dogwood.—Several inquiries involved quantities rather larger than had been received in recent weeks. A fair business was reported done in one quarter, the sales involving Jamaica bark. Full prices were obtained in a very steady market.

Sassafras.—While little or no demand was received last week, absence of much trade was a condition entirely normal for the market at this time of the year. The active season is three or four months away and when it stocks, buyers will not find excessively large stocks available in the primary and spot markets.

Wahoo.—A fair degree of price stability has come to the market here as the result of a similar situation prevailing in the primary market. The feeling was that current quotations would prevail steadily until such time as substantial expansion of demand shall develop.

Beans

Calabar.—Sellers held quotations steady last week, and indicated that the market as quoted was in line with the replacement cost of the material. Demand was very light.

Vanilla.—Strong undertones continued to activate the market. With import costs made higher by the 12 percent export tax now in effect in Mexico, beans from that country were well held on spot in the absence of competition of any sort. Bourbon beans were also in firm position here, reflecting the situation in France, where values have held well, notwithstanding the sometimes weak position of French exchange. Stocks available now must take care of world demand for some time to come. The outlook was for probably higher prices in the future unless demand shall prove to be smaller than now seems reasonable.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Professionally Milled
ANALYZED - STANDARDIZED
CRUDE DRUGS
"QUALITY is remembered long after price is forgotten"
The Earth Contributes AND J.L.HOPKINS & CO. DISTRIBUTE ALL KINDS OF ROOTS, BARKS, HERBS, GUMS, LEAVES & SEEDS, WHICH ARE USED FOR MEDICINAL PURPOSES; WHOLE, GROUND OR POWDERED
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Berries

Fish.—Several transactions involving small lots were sufficient to confirm spot quotations at 8c. to 9c. per pound last week. For the most part, interest continued to be confined to jobbing quantities.

Laurel.—While stock accumulations in the primary market have not been unduly large, there was a very fair-sized reserve in hand that tended to keep the market in fairly stable position. Locally, very little trading was done last week.

Flowers

Linden. — Flowers with leaves were higher at 25c. to 27c. per pound, once again emphasizing the recent accession of strength in the price of this item. Flowers without leaves were unchanged. The foreign markets were very firm.

Malva.—Very steady undertones prevailed on the spot, and, since there has been no substantial lowering of prices on new crop goods quoted abroad, the general situation seemed to be one of considerable stability.

Mullein.—Business was light and irregular for the most part. However, sellers maintained a steady market position while awaiting the development of a wider manufacturing requirement. Quotations were well held in all directions.

Safflower. — Quotations were slightly lower at 24c. to 25c. per pound, under the influence of wider and more aggressive competition in a comparatively inactive market.

Saffron.—Low prices on Spanish material have been withdrawn, and the market was quoted higher last week at $30 to $31 per pound. This figure was said to be more in line with spot quotation based on the prevailing replacement quotation abroad. Mexican saffron was unchanged.

Herbs and Leaves

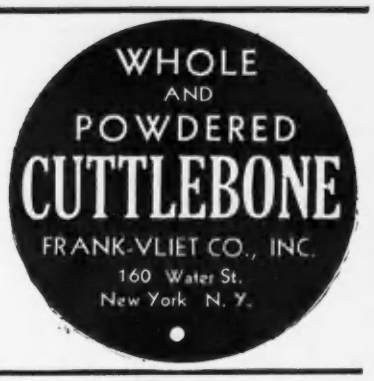
Buchu. — The market continued to show unsettlement, and quotations were shaded under competition to the basis of 38c. to 39c. per pound. Conditions have been more favorable for buyers during the past several weeks.

Horehound.—The slight improvement noted in prices recently passed away under the pressure of local competition. Quotations were noted at 8c. to 9c. per pound, and were but moderately steady thereat last week.

Laurel.—Inactivity led to more competition, and more competition brought a shading of quotations to the basis of 4¼c. to 4½c. per pound, without consumption showing any gain.
tion showing any gain.

Sage.—Garden sage was up slightly to 6¼c. to 6½c., and, with the more active season of the year spreading ahead, the market improvement was expected to hold. Stemless sage lacked change, being very steady.

Tarragon.—This herb was priced at 22c. to 22½c. per pound for moderate-sized lots, and there was an inquiry for a substantial quantity, originating with a large consumer, in the market last week.



Gums

Arabic.—Cables were up fractionally and a firmer market seemed to prevail at the source. Spot quotations on sorts were raised to 9½c. to 9¾c. per pound and undertones showed improvement throughout the period. Trade had been light for some time past but it was better last week.

Benzoin.—Market activity was not very great, but the undertone continued to be firm since stocks were still conservative and held mainly in quarters inclined to take a firm view on the future of the item. It was felt that no major increase in stocks of Sumatra gum was likely.

Gamboge.—Inquiry of ordinary sort prevailed and most quantities required were conservative in size. The undertone of the market continued to be on the firm side and well held prices were backed by moderate stocks.

Myrrh.—Immediate demand was moderate but there was some reason to expect a wider call for the article when Fall business shall develop. Prices ruled in very steady fashion.

Sandarac. — No large stocks were firmly held and supplied a moderate consuming demand with generally firm prices throughout the past week. Little competition was noted.

Miscellaneous

Cantharides. — Market unsettlement has been succeeded by a steadier underton supporting prices reached when values declined in the recent past. No tendency to continue bidding for business was noted last week.

Ergot.—The situation was still subject to influences that when fully developed may change considerably the present picture of the market. Basically, and at this time, it appear that the market is on the firm side. No normal offerings of new crops are reaching here from abroad and quotations named as the foreign market were apparently not subject to successful bidding because shippers had remarkable firm views on values.

Guarana.—While the article did not move actively last week, it still remained reasonably steady as to price and undertones indicated the presence of an undercurrent of fair strength.

Manna.—Jobbing business was fairly good. A number of smaller users covered requirements and the business gave additional support to the already very steady prices prevailing for some time past.

St. Johns' Bread.—Sellers were not

disposed to compete for business at the expense of generally steady maintenance of firsthand quotations. Most suppliers called the market firm.

Roots

Aletris.—Sellers were firmer in their views and reported a similar undercurrent developed in the primary market where stocks of new crop root have been gaining slowly. Local quotations were higher at 40c. to 42c. per pound.

Golden Seal.—Sellers in the middlewest quoted lower prices to this market shortly after midweek and while most factors in the item believed that the market trend downward will be eventually reversed, at the moment conditions seemed to be distinctly in favor of buyers.

Mandrake.—There were some signs that pointed to probable improvement in primary market prices in the not far distant future. Considerable buying of new crop has been done quietly and such operations now tend to create firmer undertones in the country as well as locally.

Rhubarb.—Though still competition and subject to price shading, open quotations on the material have not been reduced any further. Conditions favored buyers, in the main, and the absence of large requirements tended to emphasize that phase of the market.

Senega.—The recent gain in local and country strength has been retained and both markets were on the firm side throughout the past week. Little or no tendency toward competition prevailed and unless the trend changes at the source, well held and possibly higher spot quotations were not unlikely to prevail.

Seeds

Canary.—Undertones in the primary market were easier without local quotations reflecting any change in values. The outlet to buyers was very narrow last week.

Celery.—Prices in France continued to fall away moderately and local sellers gave evidence of the market being more competitive by shading their quotations to the basis of 13½c. to 14c. per pound. No change in quotations on seed from India was made.

Cumin.—Algerian seed continued to supply all demand reaching the market, the position of Morocco seed was still normal since stocks were exhausted. Algerian material was advanced 9¾c. to 10c. per pound.

Mustard.—Save for a shading of quotations on brown California seed, the market failed of price changes. That article was lower at 7c. to 7½c. per pound as the result of new crop influences. Most demand was conservative and was made up of request not usually involving very large quantities of spot merchandise.

Poppy.—The article was ignored by large consumers last week. While prices lacked change, they were fairly easy in undertone and the tendency to shade when firm orders were in sight was fairly general without the situation being extended to an actual reduction in values on the open market.

Spices

Cassia.—Prices on Batavia material were lower at 16c. to 16½c. per pound for No. 1, and 10c. to 10½c. for No. 2 grade. Other kinds of cassia lacked quotable change and the market was generally quiet.

Cinnamon.—Competition was more active and quotations on No. 2 were lower at 15½c. to 16c. per pound; No. 3, 15¼c. to 15¾c. Trade was usually very quiet.

Clove. — Madagascar spice was higher at 15c. to 15⅜c. per pound and trade was virtually restricted to that article because of the fact that the position of Zanzibar spice on this market was virtually nominal when it came to quantity transactions.

Ginger.—The sole change in prices on this group came on bright grinding Jamaica root, which was shaded to 11c. to 11½c. per pound. An attempt to raise the quotations on African root failed of success since the basic position of the article was still one of competition. Demand generally was irregular.

Paprika. — Extra fancy Hungarian pepper was shaded to 27½c. to 28c. per pound, demand not having supported the advance entirely. Cable reports indicated that the crop outlook for Hungarian material was less favorable. No change in the firm position of Spanish material was reported.

Pepper.—Quotations on black Alleppy were 7¾c. to 8c. per pound, unchanged. Lampong was shaded to 4⅞c. to 5⅛c. per pound; and Tellicherry was higher at 8⅝c. to 9c. White Java Muntok was lower at 8c. to 8½c., and the Saigon variety of white material was off to 7¾c. to 8c.

Trading in black pepper futures on the New York Produce Exchange from August 20 to August 26, inclusive, comprised 305 contracts, a total of 10,248,000 pounds. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
January	4.80	4.55	4.75@4.80
March	4.84	4.67	4.85@4.91
May	5.01	4.75	4.96@5.00
July	5.13	4.86	5.07 sale
September	4.61	4.27	4.50@4.60
November	4.48	4.45	4.60 nom
December	4.56	4.50	4.68@4.75

A.Ph.A. Discusses Outlook for Pharmacy

—Continued from page 3

part pharmacy is going to play in the new order.

C. S. Ladd, of the regulatory department of the State of North Dakota, addressed the conference of law enforcement officials on the enforcement of that State's food and drug law, and other speakers discussed the new Federal food and drug law and the necessity for revising State laws pertaining to this subject.

Of great interest early in the week was the address of Robert L. Swain, Baltimore, president of the National Association of Boards of Pharmacy, in which he recommended that boards of pharmacy recognize the tremendous advancements made in pharmaceutical education in recent years and cease giving examinations to candidates for licensure in theoretical subjects. He favored restricting their examinations to a three-day test of the candidate's ability to compound prescriptions and prepare pharmaceuticals.

At the closing session E. N. Gathercoal, Chicago, turned over the gavel to J. Leon Lascoff, New York. The house of delegates nominated the following for officers of the association for 1939-40, to be elected by mail ballot:—

President:—A. G. DuMez, Baltimore; A. F. Marquier, Newark, N. J.; Oscar Rennebohm, Madison, Wis. First vice president:—Charles H. Evans, Atlanta, Ga.; W. E. Teeters, of Iowa City, Iowa; Frnak O. Taylor, Detroit. Second vice president:—E. V. Lynn, Boston; C. O. Lee, Lafayette, Ind.; Fred Cermak, Cleveland. For council:—H. C. Christensen, Chicago; R. P. Fischelis, Trenton; Ernest Little, Newark, N. J.; A. L. I. Winne, Richmond; C. B. Jordan, Lafayette, Ind.; R. A. Lyman, Nebraska; W. MacChilds, Eldorado, Kansas; George Moulton, Peterboro, N. H.; W. F. Sudro, North Dakota.

Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any direct office or co-operative office of the bureau, and not to this publication. When writing give the number of the item:—

Alkalies:—Purchase; Amsterdam, Netherlands (7536).

Aniline colors:—Agency; Lisbon, Portugal (7535).

Aspirin: — Agency; Capetown, South Africa (7537).

Brushes:—Agency; Tripoli, Syria (7584).

Castor oil, sulphonated:—Purchase; Istanbul, Turkey (7572).

Chemicals:—Agency; Santiago, Dominican Republic (7553).

Chemicals:—Agency; Lisbon, Portugal (7535).

Cosmetics: — Agency; Baghdad, Iraq (7532).

Cosmetics: — Purchase; Johannesburg, South Africa (7538.)

Druggists' sundries:—Agency; Toronto, Canada (7534).

Disinfectants:—Agency; Capetown, South Africa (7537).

Cosmetics: — Agency; Penang, Straits Settlements (7585).

Drugs:—Agency; Toronto, Canada (7534).

Greases, chemical:—Purchase; Istanbul, Turkey (7535).

Medicines:—Agency; Capetown, South Africa (7537).

Medicines:—Agency; Santiago, Dominican Republic (7553).

Lubricating oils:—Agency; Paris, France (7562).

Lubricating oils:—Agency; Singapore, Straits Settlements (7560).

Lubricating oils:—Purchase; Istanbul, Turkey (7572).

Lubricating oils, solvent treated:— Purchase; Massluis, Netherlands (7596).

Paraffin wax:—Agency; Lima, Peru (7576).

Pharmaceuticals: — Agency; Panama City, Panama (7592).

Pharmaceuticals:—Agency; Lisbon, Portugal (7535).

Pharmaceuticals:—Purchase and agency; Paris, France (7580).

Obituaries

R. H. Clinton

Richard H. Clinton, president and founder of the Clinton Company, Chicago, died August 8.

Mr. Clinton, long prominent in the shellac industry, was a former president of the United States Shellac Manufacturers Association, which organization disbanded in 1926. He was for sixteen years vice-president of James B. Day & Co., mnaufacturers of wood-

R. H. Clinton

finishing materials and specialties, Chicago, leaving in 1925 to join the U. S. Shellac Company, and subsequently founded his own company.

He was a member of the Chicago Athletic Association, the Oak Park Country Club and the Oak Park Club.

Dr. Theodore Faust

Dr. Theodore Faust, president of the Aniline Chemical Manufacturing Company, Rutherford, N. J., died unexpectedly from a heart attack August 16. He was forty-eight years of age.

Born in Mainz, Germany, Dr. Faust studied at the University of Heidelberg and received his chemist's degree at the University of Wurtzburg, Bavaria. He served throughout the war as a captain in the German artillery, being wounded twice. After the war he opened his own chemical factory in Germany, which he abandoned in 1926 to come to America. He was employed as a chemist by the American Aniline Products Company, New York, and later organized the Aniline Chemical Manufacturing Company. The concern went bankrupt last year.

He is survived by his son. Dr. Faust's wife died in 1920.

Richard Lee Kramer

Dr. Richard Lee Kramer, technical investigator for the development department of E. I. duPont de Nemours & Co., Wilmington, died unexpectedly from a heart attack August 20 in his home in that city. He was forty-seven years of age.

Dr. Kramer received his A.B. degree from Wabash College, Cranford, Indiana, and his Ph.D. in chemistry at Johns Hopkins University, Baltimore. He had been associated with the duPont organization since 1920, first as a research chemist, then as a representative in London. In 1933 he was returned to Wilmington as technical investigator.

J. Edward Murray

J. Edward Murray, president of the Emerson Drug Company of Baltimore City, died August 14 of pneumonia in a hospital in Toronto, after a brief illness in his Summer home in Big Bay Point, fifty-five miles north of Toronto. He was forty-seven years of age.

Born in Durham, N. C., Mr. Murray was educated at the University of North Carolina and was graduated from the University of Virginia. A nephew of the late Captain Isaac Emerson, founder of the Emerson Drug Company, Mr. Murray went to Baltimore in 1913 to join his uncle's firm as assistant treasurer. He subsequently became treasurer, and, upon the death of Philip I. Heuisler, sr., in 1936, was named president of the company. He was also president of the Maryland Glass Corporation, Mount Winans, Md.; a vice-president of the Citro Chemical Company of New Jersey; president of the Bromo-Seltzer Company, Ltd., of Canada, a subsidiary of the Emerson Drug Company; and vice-president and director of the Emerson Hotel Company, Baltimore. He was a member of the executive committee of the Proprietary Association. His memberships included the Baltimore Drug Exchange, the Maryland Pharmaceutical Association, and the American Pharmaceutical Association, the Baltimore Country Club, the University Club and the Maryland Club.

Surviving are his wife, two sons and one daughter.

Edward R. Boyle, president of the *Oil City Derrick,* died in his home in Oil City, August 20, following an illness of about two weeks. He was fifty-eight years of age. Surviving are one son and one daughter. His wife died in 1933.

Lovell Henry Carr, former executive of the Alpha Portland Cement Company, with which he had been associated for twenty-eight years, died August 23, in a hospital in Elizabeth, N. J. He was seventy-two years of age. Surviving are his wife and one son.

William J. Crane, former president of the American Bottle Company, Toledo, until it was consolidated with the Owens-Illinois Glass Company, Toledo, in 1930, died in a hospital in Chicago, August 22. He was seventy-two years of age. Surviving are his widow, three daughters and two sons.

Dr. E. H. Frohner, head of the research department for the Standard Coated Products Company, died in Peekskill, N. Y., August 25. Surviving are his wife and one daughter.

Leopold Gosselin, president of the New York Nickel Plating & Manufacturing Company, died August 24 in his home in Jackson Heights, Long Island. He was seventy years of age.

Winfield Hancock Kay, identified with the fountain pen industry for more than forty years, died unexpectedly August 17 of pneumonia in Fort Madison, Iowa. He was fifty-eight years old. Mr. Kay had been head of the sales training department and personnel manager of the W. A. Schaffer Pen Company. Two daughters survive.

Alfred P. Machris, secretary and treasurer and a co-founder of the Wilshire Oil Company, Los Angeles, Calif., died after a heart attack in his home in that city August 24. He was fifty-eight years of age. Surviving are his wife, one son, and two brothers.

Mrs. Constance Marion Nock, secretary of the Amerada Petroleum Corporation, this city, died August 22, in her home in Plandome, L. I.

Mrs. Dena Terbeek, mother of Roy Terbeek, purchasing agent for the Cleveland Paint & Color Company, died in Cleveland, Ohio, August 12. She was eighty years old and left five sons and three daughters.

Paint Industries Show Slated for Oct. 24-27

Arrangements for the seventh annual Paint Industries Show are well under way in connection with the plans for the coming convention of the Federation of Paint and Varnish Production Clubs and the National Paint, Varnish and Lacquer Association. The show will be located in the Ambassador hotel, Atlantic City, convention headquarters, the exhibit spaces running alongside the Venetian room, in which the convention sessions will be held, the Renaissance room, the rotunda, and the Embassy salon.

All spaces front on a continuous corridor. There are forty-four of them —many have already been engaged. Each space is 7 feet deep. Thirty-two of them are 10 feet wide; these are priced at $125 each. There is one 17 feet wide, at $200, and the other eleven are 8 feet wide, priced at $100.

Particulars may be obtained from the chairman of the Paint Industries' Show committee, R. J. Smith, of the Indianapolis Paint & Color Company, 640 North Capitol avenue, Indianapolis.

The Paint Industries' Show will be staged from October 24 to 27, running through the F.P.V.P.C. convention and into the N.P.V.L.A. convention.

E. I. duPont de Nemours & Co., Wilmington, has developed a new paper lacquer which is moisture-proof. It affords a protective film which is impermeable to water vapor.

Essential Oils, Aromatic Chemicals

Anise and Cassia Reduced—Keen Competition Brings Further Drop In Vanillin—Considerable Competition in Spot Peppermint but Middlewest Continues Firm

Prices for most essential oils and aromatic chemicals displayed substantial stability during the past week. A large majority of the market entities were in firm position regardless of the fact that sales volume was conservative in size as the result of small and rather irregular demand from manufacturing consumers. Beyond declines in the prices on anise, cassia and peppermint oils on spot, plus a reduction in the schedule on vanillin, the market was free from changes in quotations. Sellers maintained values and looked forward to a revival of a more active consuming request in the not far distant future.

The situation in anise and cassia was mainly the result of local competitive conditions. There is every reason to fear that shipments from the primary market may eventually be interfered with if and when the fortunes of war bring the Japanese into South China in such force as to disrupt ordinary commercial enterprise.

In the Middlewest, the peppermint market was fully firm, but on spot dealers in some instances quoted prices that hardly matched replacement cost plus a normal profit to local sellers. Some disposition to hold aloof from the primary market was noted and spot comment to the effect that some local prices were named with a view to affecting values at the source was noted.

Vanillin competition was as keen as ever between the leading manufacturers. During the week values went to a new low level. Citrous oils were in moderate demand. Lemon was steady to firm, but orange and lime were both easier and moving in favor of buyers.

Possibility of a general trucking strike in this city on the expiration of the current agreement on August 31 was noted and many sellers urged buyers to order now their merchandise requirements for the early part of September.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Citronella, Ceylon, 1½c. per lb.

Reduced

Anise, 1c. per lb.
Cassia, 10c. per lb.
Orange, California, 5c. per lb.
Peppermint, 10c. per lb.
Vanillin, ex eugenol, 10c. per lb.
ex guaiacol, 10c. per lb.
ex lignin, 10c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
69.3	69.8	70.5	83.4

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—While demand was moderate and rather irregular during the past week, values were steady and the market lacked competition of important kind. Stocks available on spot were fair in size.

Anise.—The easier undertone continued locally and quotations were a shade lower at 77c. to 79c. per pound. Demand was moderate, but usually steady last week, but competition was fairly active most of the time.

Bergamot.—Routine request made up a market usually described as quiet and uneventful last week. Buyers had no trouble in covering their requirements; stocks were ample in all directions. Values in the primary market held very firm.

Birch Tar.—Although the movement into consumption was not very large, the market continued to display a steady undertone and values were well held in all quarters. Replacement cost was also steady in the primary market.

Cajeput.—Slightly more than usual competition was reported last week and some sellers alleged to have lost orders when quoting going prices on a few inquiries. However, no open change in quotations was made, nor was the competition expected to bring about a general downward revision.

Camphor.—Demand was normal in terms of that experienced during the past several weeks. Consumption was along conservative lines, but the call aided in the maintenance of steady prices. Replacement costs were without change.

Cassia.—The local market prices yielded to the element of competition last week and business was reported taken at 85c. to 90c. per pound in some instances. The situation was still uncertain, however, since there was no telling at what time events in China might cut off ready shipment of replacement stocks.

Citronella.—Cables from Ceylon were slightly higher last week and few firm offerings were received. Lack of rains was believed to have reduced arrivals at the shipment ports, thus strengthening the price views of those with goods in hand. The spot market was firmer and higher at 35c. per pound in drums.

Clove.—The market was steady and values established by the recent decline were well held, despite the lack of normal sales volume. Trade continued light and irregular.

Dill.—Fair business was noted, and the market as a whole was in reasonably steady position. Competition pressed lightly when it was current at all. First costs tend to restrict selling at prices shading the going market quotations, it was said.

Geranium.—While the flow of new business was not very large, there was a fair amount of small requirements in the market, and a steady movement of such quantities tended to give considerable support to the already low spot quotations.

Ginger.—No further recession in prices was noted last week. The market was still subject to considerable competition, and the conservative buying for consumption tended to keep values favorable for those with firm orders in hand. Raw material was steady.

Juniper.—Some suppliers reported a pleasurable gain in sales into consuming channels. While the gain was moderate, it tended to create a market of steadier undertones and for the most part full prices prevailed on practically all transactions.

Lavender.—While open quotations were unchanged, it was admitted that the market was competitive to an important degree. Hence reports of occasional shading of quotations were noted. The fact that declines have already been substantial tended to hold such shading within narrow limits, however.

Lemon.—Very fair demand prevailed, though most sellers said the movement was less than that normal to the market at this time of the year. California oil held the pre-eminent position in the market, since prices for the same were far lower than those prevailing on good quality Italian oil.

Lime.—Further competition was noted on the spot, and the tendency was to shade open market quotations on distilled oil. More inquiry was in the market, and some dealers reported a gain in sales into consuming channels.

Orange.—Competition continued to be very keen. While the largest producers of oil in California continued to hold the market at 75c. per pound, so-called independents were down to 70c., and there were reports of shading under that figure. Considerable difference in quality was said to complicate the California situation. African oil was low in price and exceptionally easy. General demand was routine.

Palmarosa.—Agents reported a gain in inquiry for import parcels. Prices for replacement were favorable, in the main. Spot business with consumers was moderate but fairly steady most of the time.

Pennyroyal.—Little indication regarding probable domestic production has been current on this market thus far this season. The carryover on spot was fairly substantial but not large. Imported material was very steady.

Peppermint.—Middlewestern prices on this oil were distinctly firm. On spot some dealers have returned prices to the basis of $2.20 to $2.45 per pound for natural and $2.30 to $2.65 for redistilled material. Those with country connections asserted that such prices were too low in comparison with replacement quotations on new crop.

Pineneedle.—The market was distinctly firm, even though current consumption was reported moderate. The firmness of prices reflected absence of weakness in the replacement cost of the item. Outlook for Fall business was reported favorable.

Rosemary.—Comparatively moderate stocks were in very firm hands and prices were correspondingly well main-

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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tained in the absence of much opportunity for competition. Demand was irregular.

Sage. — Competition that brought prices down so materially was reported to be withdrawing from the market. In its place has come a firming up of values and a moderate consuming request was supplied last week at full prices.

Spearmint.—All prices in all markets were on the firm side. No sign of a decline has been noted, notwithstanding the fact that new crop is being prepared for the market, and hence stocks are increasing. It was understood that the largest buyers have covered much of their requirement by means of contracts.

Wormseed.—Values were holding very steady last week, and while buyers were inclined to hold off in anticipation of possible declines when new crop shall be offered from the source, well-informed factors thought that there would be little movement in favor of buyers in the nearby future.

Aromatic Chemicals

Amyl Salicylate.—Routine business was reported. Buyers purchased immediate requirements and were not disposed to protect needs of the more distant future. Undertones were generally steady.

Anethol.—Fair-sized, but not expanded, demand was noted. Buyers were in the market for quantities that kept sales volume at a level about even with that in recent weeks. Prices held very steady on the whole.

Benzyl Compounds. — A somewhat slow market prevailed on spot, but for the most part prices had a steady undertone and shading of quotations was rarely a part of commerce last week. Undertones were considered to be very steady.

Citral.—Business was irregular from day to day, but even small orders build a fair volume of trade by the close of the week and prices continued to hold in well-stabilized position.

Eucalyptol.—Business was confined to moderate volume and movement into consuming channels was conservative. Pricewise, the market was favorable for buyers disposed to cover distant needs of a substantial size.

Geraniol.—Three grades of this article were priced at $1.15 per pound for C, $1.50 for the normal quality, and upwards of $2.80 per pound was quoted on the extra fine material. The market was generally steady in all respects.

Hydroxy Citronellal. — The market was reported firm and unchanged, but not especially active during the past week. Plentiful stocks were in the hands of most suppliers.

Ionones.—Quotations were as follows: —Alpha, $2.50 per pound; Alpha, extra, $4; Alpha beta, $2.25; and Beta, $4.10. While the market was not overly active, it was at least steady and values were firm for the most part.

Linalyl Acetate.—Orders were usually for moderate-sized quantities of this article, but such business came steadily to the spot and resulted in values showing a deal of stability in the absence of undue competition.

Vanillin.—Prices were reduced once more. Guaiacol and lignin vanillin were lowest at $2 per pound, while eugenol vanillin was minimum at $2.10. The decline was caused by the continued keen competition between the leading manufacturers.

Chinese Vegetable Tallow

—Continued from page 5

more or less alike, except the dimensions of tube mentioned and way of stirring recommended. Before going farther we carry out some experiments on these two items. The results are given in table VI.

Table VI

Effect of Size of Tube and Amount of Stirring on Resulting Titer

Conditions.	Titer (°C.)
Tube 25 mm. x 100 mm.; absolutely no stirring after solidification	51.25
Tube 27 mm. x 154 mm.; absolutely no stirring after solidification	51.45
Tube 27 mm. x 154 mm.; stirring according to original Dalican method	51.55
Tube 27 mm. x 154 mm.; stirring according to original Wolfbauer method	51.58
Finkener's method exactly as required (round bottle holding more acid, but absolutely no stirring from the very beginning)	51.58
Tube 27 mm. x 154 mm.; stirring carried on as long as possible	52.00

It is definitely established from data given in table VI that when a larger tube is used the resulting titer will be higher; the more the acid is stirred, the higher will be the resulting titer.

It is possible to get a high result, and in fact we can obtain titer of 52.0°C. for the same acid if we follow the erroneous way of stirring as long as possible. This excessive stirring is never specified by any of the methods. Moreover, we can prove that stirring after solidification only gives erroneously high results. For this purpose we place some coconut oil in a 150 c.c. beaker and stir it with a thermometer at about 100-150 r.p.m. and observe the rise in temperature. Another thermometer is hung by the side as a reference. The results obtained are tabulated in table VII.

Table VII

Effect of Stirring After Solidification

Time.	Reference thermometer (°C.)	Stirring thermometer (°C.)
Start	21.00	21.30
5 minutes	21.00	21.40
10 minutes	21.05	21.50
15 minutes	21.10	21.65
Increase during the interval	0.10	0.35
Difference, 0.25°C.		

It is clear from table VII that the difference of 0.25°C. between the readings of the two thermometers is entirely due to stirring. So, too much stirring will give high, but misleading, results. We must also bear in mind the fact that tallow at the time of solidification is of a much thicker consistency than the coconut oil employed for this experiment. The actual error caused by stirring the tallow would be more than 0.25°C.; the magnitude depends upon the velocity and extent of stirring.

Stirring properly carried out before the solidification stage has little or no effect on the final results. The data obtained by us are tabulated in table VIII.

Table VIII

Extent of Stirring and Titer

Extent of stirring.	Titer obtained (°C.)
(a) Start at 70°C. and stir till 60°C.	51.25
(b) Start at 70°C. and stir till 58°C.	51.25
(c) Start at 70°C. and stir till 56°C.	51.23
(d) Start at 70C°. and stir till 54C°.	51.20
(e) Start at 70°C. and let it remain quiet; then stir thirty rounds when crystals appeared	51.25
(f) Start at 62°C. and stir till 57.4°C.; crystals begin to appear; continue to stir for one-half minute; temperature drops to 56.4°C.; then stir the crystals at bottom	51.35

In our method we do have stirring at the very beginning, but we refrain from stirring at later stages because we know that error will then be introduced. Stirring does not affect the final result of our method very much if the vigorous stirring of the almost solidified mass that leads to erroneously high results is not included. Any amount of stirring carried beyond the stage indicated under item (f) in table VIII will cause an error.

Effect of Starting Temperature

Any method including stirring after the solidification stage is liable to give erroneous results. Moreover, we have found that the starting temperature of stirring has a great influence on the resulting titer. The data obtained are given in table IX.

Table IX

Starting Temperature of Stirring and Titer

Temperature at which stirring (°C.) is started.	Titer obtained (°C.)
50.8	51.55
51.0	51.70
51.5	51.75
52.0	51.80

If one starts stirring at 50.8°C., the resulting titer will be 51.55°C.; if one starts stirring at 52.0°C., the resulting titer will be 51.80°C. The starting temperature of stirring definitely has an influence on the final result. So, if stirring is included in any method, it would be extremely difficult to fix a definite starting temperature, as it should be different for different samples.

A method, like the Finkener, with absolutely no stirring gives much more consistent results than either the Dalican or the Wolfbauer method. Our method is even better than the Finkener method, in not requiring any special apparatus and at the same time giving equally consistent results.

Our Method of Testing

For all the reasons enumerated in the foregoing paragraphs we have, therefore, adopted a method similar to the American modification of the original Dalican method, except that stirring after the solidification stage is intentionally and purposely omitted.

The moisture and impurities are determined by methods commonly used in other laboratories. For the determination of titer, 50 cc. of melted tallow are added to 75 cc. of glycerol-KOH solution (25 grams of KOH in 100 cc. of high-test glycerol) heated up to 150°C. in an 800-cc. beaker. Saponification often takes place immediately, but heating with frequent stirring should be continued for fifteen minutes.

When saponification is completed, pour the soap solution into 500 cc. of nearly boiling water; add carefully 50 cc. of dilute H_2SO_4 (1:3); and heat the solution, with frequent stirring, until the layer of fatty acids separates out perfectly clear. Transfer the fatty acids to a separatory funnel; wash three or four times with boiling water to remove all mineral acids; draw the fatty acids off into a small beaker; and let stand on the steam-bath until the water has settled out and the acids are clear. Filter into a dry beaker and dry in oven for two hours.

The dried and molten fatty acids are then cooled to 15-25°C. above the expected titer and transferred to the titer tube, 25 mm. by 100 mm. and made of glass about 1 mm. in thickness. Fill it within 25 mm. of the top. Place it in a 16-ounce wide-mouthed bottle, 70 by 150 mm., fitted with a perforated cork so as to hold the tube rigidly when in position. Suspend the thermometer so that it can be used as a stirrer, and stir the mass slowly till the first crystal appears. Refrain entirely from stirring from now on. Then let the thermometer stay quietly, with the bulb in the center of the mass, and observe the rise of the mercury column. The highest point to which it rises is taken as the titer of the fatty acids.

This method gives very consistent results, while the Dalican and Wolfbauer methods yield varying results in the hands of different chemists most of the time. The American modification of the Dalican method usually gives high and erroneous results. The Finkener method is good and gives fairly consistent results, but it requires a rather special apparatus.

(To be continued)

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FACTORIES AT CLIFTON, N. J. AND SEILLANS (VAR), FRANCE

Management Problems Slated for Discussion

—Continued from page 4

Economy," Oswald W. Knauth, president of the Associated Dry Goods Corporation; "Coordination of Production and Distribution," Nils A. Sterner, general manager for Telefonaktiebolaget L. M. Ericsson, Stockholm; "The Balancing of Incentive and Security," Ralph E. Flanders, president of the Jones & Lamson Machine Company; "Employee Security as a Responsibility of the State," Gino Olivetti, chairman of Emios, Rome.

8:00 p.m.—Presiding, William L. Batt, president of SKF Industries, Inc.; "The Unwritten Charter of Management" (speaker to be announced); "International Cooperation in Management," Th. Limperg, professor of business economics at the University of Amsterdam.

September 23

2:00 p.m.—Presiding, Lord Leverhulme; "Social and Economic Aspects of Management," John G. Winant, director of the International Labor Office; closing remarks by Daniel C. Roper, Secretary of Commerce.

Technical Sessions

The several technical session of the congress will be devoted to the topics outlined below. More than 200 papers covering these topics have been printed and will be distributed to registrants prior to the opening of the congress. The sessions will be devoted to discussions of various aspects of the respective topics.

Administrative Section

"Public Administration"—September 20, 9:30 a.m.

"Administrative and Financial Controls"—September 20, 2:30 p.m.

"Organization"—September 21, 9:30 a.m.

"Executive Personnel Administration"—September 21, 2:30 p.m.

"Office Management"—September 22, 9:30 a.m.

Production Section

"Manufacturing Management"—September 20, 9:30 a.m.

"Plant Layout, Processing and Equipment"—September 20, 2:30 p.m.

"Production, Material and Quality Control"—September 21, 9:30 a.m.

"Cost Methods and Accounting for Control"—September 21, 2:30 p.m.

"Work Standarization and Evaluation"—September 22, 9:30 a.m.

Distribution Section

"Market Analysis and Sales Planning"—September 20, 9:30 a.m.

"Market Outlets and Trade Channels"—September 20, 2:30 p.m.

"Costing and Pricing"—September 21, 9:30 a.m.

"Advertising and Sales Promotion"—September 21, 2:30 p.m.

"Administration of Sales"—September 22, 9:30 a.m.

Personnel Section

"Industrial Relations and Collective Cooperation"—September 20, 9:30 a.m.

"Wage Administration and Incentives"—September 20, 2:30 p.m.

"Training, Vocational Guidance and Applied Psychology"—September 21, 9:30 a.m.

"Unemployment and Social Security"—September 22, 9:30 a.m.

"Safety and Health"—September 22, 12:30 p.m.

Agriculture Section

"Land and Soil Resources"—September 20, 9:30 a.m.

"Crops and Forests—Their Production, Protection and Use"—September 20, 2:30 p.m.

"Farm Animals—Their Breeding, Nutrition and Use"—September 21, 9:30 a.m.

"Labor Resources and Their Use on the Land"—September 21, 2:30 p.m.

"Economic and Social Factors in Agriculture"—September 22, 9:30 a.m.

Home Management Section

"The Home Management Problem"—September 20, 9:30 a.m.

"Material Resources—The Management of Time, Energy, Money in the Home"—September 20, 2:30 p.m.

"Household Employment and Community Resources"—September 21, 9:30 a.m.

"Housing for Living"—September 21, 2:30 p.m.

Panel discussion—September 22, 9:30 a.m.

General Management Section

"National and Economic Significance of Scientific Management"—September 22, 2:30 p.m.

George Mennen, son of William G. Mennen, toilet goods manufacturer, Jersey City, was married August 16 to Miss Mary Elizabeth Maloney, at Elton, Md.

Petroleum Solvents, Lubricants, Fuels

Small Purchasers of East Texas Crude Reduce Posted Price 15c Per Barrel—Majors Do Not Follow—Petroleum Thinner Up at Pacific Coast Refineries

The return of the five-day producing week in the Texas oil fields is expected in September as a result of the price cut initiated last week by some of the smaller refineries that purchase East Texas crude. The aggregate purchases of the buyers who posted the 15c. per barrel reduction amounts to only about 3 percent of the output of the East Texas field and it was considered quite doubtful that the major purchasers would follow inasmuch as the chairman of the Texas Railroad Commission has already indicated that the Saturday and Sunday shutdowns will be ordered for September. The Midcontinent gasoline market seemed considerably weaker following the crude price break.

Industrial raw materials derived from petroleum were featured by an increase in the tankcar prices for one grade of petroleum thinner at Pacific Coast refineries and a change in the tankwagon differential on other grades of solvents for deliveries in the Far West and the territory of Hawaii. The Midcontinent market continued steady and unchanged. Some price cutting in the solvents market was reported from Chicago.

The daily average production of crude oil in United States for the week ended August 20 was 3,392,700 barrels, an increase of 32,800 barrels over the preceding week, according to the estimate of the American Petroleum Institute. The average for four weeks ended August 20 was 3,346,700 barrels and the average at this time a year ago was 3,729,350 barrels. Runs of crude oil to stills for the week ended August 20 were reported to the A.P.I. by companies controlling 89 percent of the nation's refinery capacity as having averaged 2,946,000 barrels for 79.6 percent of refinery operation. An additional 319,000 barrels was estimated to have been sent to stills unreported for an estimated total average of 3,265,000 barrels, against 3,295,000 barrels in the preceding week. The average for August last year was 3,395,000 barrels. The stocks of crude oil August 13 were reported at 286,251,000 barrels, against 287,406,000 barrels August 6, according to the Bureau of Mines.

Solvents and Diluents

An increase of one cent per gallon in the price of one grade of petroleum thinner at California and other Pacific Coast refineries was the price feature of the petroleum solvents and naphthas market. Last week's Chicago report stated that price cutting was reported in that area. The bulk market price situation at the Midcontinent refineries was unchanged; one seller continued to post higher prices than others.

Lacquer Diluents.—Most Midcontinent suppliers continued to offer tankcar lots at 7⅜c. per gallon, basis Group 3. Lacquer manufacturers' interest in purchasing additional supplies was expected to revive after the Labor Day holiday.

Petroleum Thinners.—A Pacific Coast refiner of material testing 34 gravity and 325 i.b.p., 390 e.p., has increased the price 1c. per gallon on all forms of delivery. The postings on this material are now as follows:—6,000-gallon lots in tankcars or by transport truck and trailer, 15c. per gallon at Los Angeles; 14½c. per gallon at Richmond, Cal.; 16c. per gallon at Portland, Ore.; and 16½c. per gallon at Seattle, Wash. 1,000-gallon lots in tankwagon or steel barrels, are 2c. per gallon higher than 6,000-gallon lots and deliveries of material in steel barrels are 4c. per gallon higher than 6,000-gallon lots. These prices include 1c. per gallon Federal tax but are salable on an ex tax basis provided the buyer furnishes an exemption certificate.

Rubber Solvents.—The 6⅜c. per gallon price for tankcar quantities at the Midcontinent refineries was still in force. Tire manufacturers have been taking slightly larger amounts of raw materials on the promise of heavy demands from the automobile manufacturers to equip new model production.

V. M. & P. Naphthas.—Although one seller continued to post a higher price, most of the Midcontinent refiners continued to post the 6⅜c. per gallon price that has been in force for some time back. This price is f.o.b. refineries.

Tankwagon Price Changes

PACIFIC COAST.—Tankwagon deliveries throughout California, Arizona, Nevada, Oregon, Washington and in the territory of Hawaii were now priced at a differential of 3c. per gallon over the bulk price instead of the former differential of 4c. per gallon. This applies on deliveries of the following thinners:—44 gravity, 311 i.b.p. 385 e.p.; 46½ gravity, 254 i.b.p. 380 e.p.; 60 gravity, 169 i.b.p. 263 e.p.; and 56 gravity, 200 i.b.p. 300 e.p.

Markets at Other Centers

Chicago, Aug. 25.—The petroleum solvent and diluent business is rather quiet, with prices holding unchanged. Price cutting has been reported here and there to minor extent recently. Feeling is that supplies are entirely ample for needs, and buyers in general are adopting a slow and cautious policy as to their purchases. Ruling prices in tankcar lots except as noted are (Tankcar prices f.o.b. Group 3 Oklahoma):—Blending naphtha, 4½c. to 4⅝c. per gallon; cleaners' naphtha; 6⅜c. to 6½c., tankcar; 17.5c., tankwagon; petroleum spirits, 5⅜c. to 5½c., tankcar; 16.5c., tankwagon; rubber solvent, 6⅜c. to 6½c.; lacquer diluent, 7⅜c. to 7½c.; Stoddard solvent, 5⅞c. to 6c., tankcar; 16.2c., tank wagon; v.m. & p. naphtha, 6⅜c. to 6½c., tankcar; 16.5c., tankwagon.

Tulsa, Aug. 25.—There was little interest in solvents in the Mid-continent with quotations of all grades unchanged. Light cleaners is 6⅜c. to 6⅝c. per gallon; Stoddard also at 5⅞c. to 6⅛c. per gallon; and petroleum cleaners at 5⅜c. to 5⅝c. per gallon.

Lighter Fractions

The light gaseous solvents market continued in a routine condition. As in the case of everything else, stocks in the hands of industrial buyers were believed to be light and consuming demands were expected to improve within the next ten days or two weeks. Pricewise, the market held at a characteristically steady position.

Butanes.—Quotations remained unchanged at the level that has been long in force. The 16-34 degree product in tankcar quantities was ¾c. per gallon, f.o.b. Group 3.

Heptanes.—Midcontinent producers of this material continued to quote the schedule that has been named without change for some time. Tankcars of mixed heptanes were 8½c. per gallon, while the normal grade in similar quantity was 9½c. per gallon, both f.o.b. Group 3.

Octanes.—The position of this mixture also held without change during the week. The demands of the market were understood to have been routine.

Petrolatums and Waxes

White Mineral Oils.—Trade showed some signs of opening up last week. Contract withdrawals were reported as having been a little heavier. The price situation continued unchanged. Sellers reported the general condition of the market as having been even and uneventful.

Paraffin Waxes.—The scale wax market was in a peculiar position last week. The 122-124 A.m.p. grade was held for a higher price than the 124-126 American. The latter advanced 5 points to the basis of 2.35c. per pound while the lower melting point product went up 10 points to the basis of 2.40c. per pound. This unusual situation was caused by the fact that there was less of the 122-124 material available. As a matter of fact, there was not much of either grade around and it was expected that the 2.35c. price for 124-126 wax would be withdrawn before long and that the market would join the 122-124 grade at the 2.40c. per pound level. The fully refined waxes were steady at the schedule established in July.

CHICAGO, Aug. 25.—The refined wax market continued quiet, with prevailing prices holding level with those recently in effect. Buying currently is taking about all of the material offered, so that tone is being maintained on a fairly stable basis. Inquiries have been moderately good recently. Ruling prices are:—122-124, 4.25c. to 4.30c. per pound; 125-127, 4.35c. to 4.40c.; 127-129, 4.45c. to 4.50c.; 130-132, bulk or bag, 4.75c. to 4.80c.; 132-134, bulk or bag, 5c. to 5.05c.

TULSA, Aug. 25.—Wax was one of the bright spots of the Midcontinent market. The 124-26 product is quoted for domestic shipments at 2¼c. to 2⅜c. per pound. The export inquiries are numerous.

Petrolatum.—There has been no further shift in the market since the recent reduction in the less than car lot prices for white and amber grades. Contract takings were light.

Fuels and Lubricants

The Eastern refined oil market did not undergo much of a change during the week. Gasoline purchases by the jobbing trade were along hand to mouth lines, a condition that was evidently sponsored by the weakness in the East Texas crude situation and the failure of gasoline consumption to reach expected proportions during the past two or three weeks. The Bureau of Mines estimate of motor fuel demands for September was 47,000,000 barrels or 0.5 percent lower than the actual demand for September last year. The daily average supply of domestic crude oil estimated by the Bureau of Mines to meet the market demand in September is 3,444,300 barrels. This is 6,200 barrels higher than the estimate for August, 1938, and 221,700 barrels or 6 percent less than the daily average production for September, 1937, and 7 percent less than the demand for domestic crude for that month. This decrease in the estimated demand is due principally to larger estimates of gasoline stock withdrawals. Daily average crude-oil production and runs to stills during the four weeks July 2 to July 30, averaged 3,334,000 barrels and 3,200,000 barrels, respectively. During this period stocks of refinable and heavy crude declined 3,029,000 barrels. However, foreign stocks increased 92,000 barrels, making a decline in domestic grades of 3,121,000 barrels, or 111,000 barrels daily. The addition of this amount to production gives 3,445,000 barrels as the apparent daily average demand for domestic crude oil during this period, compared with 3,398,100 barrels estimated for July.

Market Conditions

Gasoline.—There was still a good deal of 65 octane material offered in tankcars at the refineries at 6½c. to 6¾c. per gallon. Posted prices by leading refiners continued at 7¼c. per gallon. The jobbing interests were modest buyers last week, taking material only as needed. The retal price situation was undisturbed locally and the recent application of the New York state fair trade law in the resale of branded gasoline seems to have had a stabilizing affect. The export gasoline situation at the U. S. Gulf has not changed with 4¾c. to 4⅞c. per gallon named for all

Outputs and Quotas

A comparison of Bureau of Mines calculations for August production, State allowable quotas where they exist and the American Petroleum Institute's estimate for crude production for the week ended August 20, follows:—

	*B. of M. Dept. of Int. calculations.	State allowable.	Estimated output.
Oklahoma ..	529,700	428,000	443,400
Kansas	169,300	165,500	168,100
Texas	1,377,800	†1,614,805	1,398,650
Louisiana ..	256,100	256,715	261,050
Arkansas ...	53,900	.....	55,800
Eastern	148,000	.....	151,600
Michigan ...	60,000	.....	49,150
Wyoming ...	62,200	.....	63,050
Montana	13,900	.....	12,750
Colorado	5,500	.....	3,850
New Mexico.	112,300	107,000	107,000
California ..	649,300	‡615,000	683,300
Totals	3,438,100	.....	3,392,700

* These are Bureau of Mines' calculations of the demand for domestic crude oil based upon certain premises outlined in its detailed forecast for the month of July. As demand may be supplied either from stocks or from new production, contemplated withdrawals from crude oil stocks must be deducted from the Bureau's estimate of demand to determine the demand of new crude oil to be produced.

†Effective Aug. 1, Sunday shut-downs continued through August.

‡ Recommendation of Central Committee of California Oil Producers.

The State of the Petroleum Market

Crude oil prices were reduced 15c. per barrel in East Texas by several small purchasers in the field. The major buyers did not follow the reduction and continued to post the field at $1.35 per barrel.

	Aug. 26	Aug. 19	Last Year
Crude petroleum prices at well (average for ten fields) per barrel	$1.26	$1.26	$1.399
Gasoline prices at refineries (at four refining centers) per gallon	.050625	.050625	.056875

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

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Petroleum Production—Motor Fuel Stocks

	Barrels	
	1938 Jan. 1-Aug. 27	1937 Jan. 1-Aug. 27
Commercial crude oil production	792,381,000	820,491,000
	Week ended Aug. 27, 1938	Week ended Aug. 28, 1937
Daily average production	3,382,800	3,714,500
	Week ended Aug. 20, 1938	Week ended Aug. 13, 1938
Estimated motor fuel stock total	72,709,000	74,387,000
Estimated finished motor fuel stock at refineries	40,045,000	41,349,000

grades except the 64-66, 375 e.p. grade which was 4⅞c. per gallon flat.

Kerosene.—The market did not evidence much in the way of new developments last week. The rate of consumption has not shown much improvement yet but the cooler weather is not far off. The price situation remained as it had been with 41-43 water white material available at 4¾c. per gallon at the refineries. The export market at the Gulf was also unchanged.

Fuel and Gas Oils.—The light oil market perked up a bit. The refiners expect a progressively broader interest over the next thirty days as the season changes. The heavy marine fuels were not more than mildly active and prices for C grade bunker and Diesel oil remained unchanged.

Lubricating Oils. — Pennsylvania bright stocks advanced ½c. per gallon last week to the basis of 18c. per gallon, including tax. Neutral oils were also higher with 150 viscosity quoted at 18c. per gallon; 180 viscosity at 18½c. per gallon; and 200 viscosity at 19c. per gallon. These prices were also inclusive of Federal tax. There has been no change in the position of the Pennsylvania cylinder oils.

Crude Oil Price Changes
East Texas

Posted prices for crude oil in East Texas were reduced 15c. per barrel, August 20, by a number of small refiners. The new basis of $1.20 barrel was initiated by the East Texas Refining Company and was followed by the Premier Refining Company, Grogan Oil Corporation, and Danciger Refineries, Inc.

None of the major purchasers in the field has followed the move.

Markets at Other Centers

Tulsa, Aug. 25.—Burdened with a softening crude oil market and excess inventories, the gasoline price structure is weakening throughout the Midcontinent. Thus far the reductions in prices have run from one-eighth to one-quarter of a cent per gallon but in the materials that are below specifications further concessions have been made. Consumption has not been sufficient to work down gasoline inventories commensurate with a situation which calls for a level at least not exceeding last year. But the stocks of gasoline are some 8½ percent above the volume of last year. This excess at this time of the year is causing alarm in many quarters. Crude runs to stills are 4½ percent below last year with a crude oil production 9 percent below last year but the increasing recoveries and lessened consumption of gasoline have created a top-heavy condition in motor fuels. Consequently there is a desire to liquidate fearing a further softness.

Statistically, the crude oil situation is sound. Inventories are 7½ percent below last year but there is an undermining of the price structure caused by the reduction in prices at various points by many of the smaller refiners. In East Texas the local refiners schedule is now uniform and in some other territories there are differentials of 10c., 15c. and 18c. One refiner is basing his crude price upon the recovery of the product and its quality.

However, there is one bright spot in the picture. There is a tremendous demand for distillates and quite a scarcity of the product. This year it is quite serious. Last year there was a scarcity in the early part of the season which was overcome in the latter part by increasing crude runs but this season the outlook is for a continuation of refinery operations on a lowered scale. Therefore an inflated demand is appearing for the burning oils. Prices have not risen but considerable strength is developing in all grades and gas oils included.

GASOLINE.—Weakness is apparent in every grade with U. S. motor the weakest because of the more widespread production. The prevailing quotations are 4⅜c. with 4¼c. in spots. The lower grades in octane are selling down to 4c. per gallon. The 63-66 is 4½c. to 4⅝c. and the 67-69, 4¾c. to 4⅞c. per gallon, and the 68-70, 5c. to 5⅛c. per gallon.

NATURAL GASOLINE.—No change has occurred in these products with the 26-70 quoted at 3¼c. per gallon in both Texas and in Oklahoma. The 18-pound and the 22-pound grades are also active at unchanged prices. There is a fair volume of business, although probably not as much as production suggests.

DISTILLATES.—All of the grades are difficult to buy. While there is no change in quotations it might be said that prices are really nominal as no offerings are on the market and buyers must bid actively to bring out supplies. Several of the integrated companies are actively seeking supplies. The No. 1 is nominally 3⅝c. to 3¾c. per gallon, with the No. 2 straw at 3½c. to 3⅝c. per gallon. Other gas oils are 3¼c. per gallon.

FUEL OILS.—The heavy grades of low gravities and high viscosities are still a drag on the market being variously quoted at 37½c. to 65c. per barrel with the material at the highest prices moving very slowly. The 24-28 was $1 per barrel for low cold test and the high cold test at 85c. per barrel.

LUBRICANTS.—The same competitive situation that has existed for the past few weeks is still apparent with no change in the tone of the market or quotations. Bright stocks are easy and moving slowly while little interest appears in neutrals.

Chicago, Aug. 25.—Weakness in tankcar gasoline market continued recently, with conditions developing into a buyer's market. Volume of business seems to be comparatively good everywhere, except in the industrial areas which are feeling the influence of factory shut-downs, etc. Offerings have been increasing a little, with crude oil market irregularity having some effect toward spottiness. Kerosene is easy, and not bought actively, with orders for tractor fuels continuing on a fair basis. The trade is ordering furnace oils for next winter's needs. Industrial gas oil continues firm. The heavy fuel oil market has shown no further improvement, and is dull. Lubricating oils are doing a little better in the market recently.

GASOLINE.—Low octane motor, 4⅝c. to 4⅞c. per gallon; 63-66 octane motor, 4⅞c. to 5⅛c.; 67-69 octane, 5c. to 5¼c.; 70-72 octane, regular, 5¼c. to 5⅝c.

KEROSENE.—42-44, water white, 4¼c. to 4½c. per gallon; 41-43, water white, 4c. to 4¼c.

FURNACE OILS.—Range oil, 3⅞c. to 4⅛c. per gallon; No. 1 prime white, 3¾c. to 4c.; No. 1 straw, 3⅝c. to 3⅞c.; No. 2 straw, 3½c. to 3¾c.; No. 2 dark, 3¼c. to 3½c.; No. 3, 3¼c. to 3⅜c.; 32-36, dark, industrial gas oil, 2⅞c. to 3c.

FUEL OILS.—No. 4, $1 to $1.10 per barrel; No. 5, 70c. to 80c.; No. 6, 60c. to 70c.

New Orleans, Aug. 23.—A ⅛c. decrease was noted in price of kerosene as well as all grades of gasoline during the past week. Foreign inquiries and exports continued good. U. S. motor gasoline was quoted at 6c.; U. S. motor below 62 octane at 6c.; 63-67 octane at 6¼c. and 68-70 octane at 6⅝c.—the foregoing prices being based on a per gallon rate at refinery.

Kerosene was quoted at 7½c. per gallon at refinery.

Oils, Fats and Waxes

Waxes

—*Continued from page 37*

Candelilla.—Spot quotations were off to the basis of 14½c. to 15c. per pound, though based on the cost to buy wax from the producers' union in Mexico would warrant a spot quotation of 15c. per pound. Demand was narrow.

Carnauba. — Prices in Brazil were very firm and the smaller than normal stocks were owned by shippers convinced of the real value of their holdings and who, therefore, more often than not were not disposed to accept bids. Scarcity of the yellow grades was apparent at the source, and stocks on spot were also comparatively small. Prices on these grades showed special strength last week. In general, demand in local circles showed improvement last week so far as sales to consumers were concerned. The gain was not sharp but was still sufficient to add strength to the already very firm tone of the spot market.

Japan.—Quotations were higher at 10c. to 10¼c. per pound, this movement reflecting strength of prices in Japan, and also being symptomatic of the considerable business done on an import as well as domestic consuming basis in the recent past.

What You Can Use

Various Materials That Are Suitable for Operating Purposes in Chemical Processing Industries

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Two-hundred-forty-second Instalment

Manganese Linoleate

Solvents for Manganese Linoleate

(Continued from August 22 issue)

Paracetate
Paracymene
Paraethyltoluenesulphonamide
Paratoluenesulphonamide
Peanut oil
Pentacetate
Pentachloroethane
Pentaerythritol
Pentaerythritol acetate
Pentaerythritol benzoate
Pentaerythritol formate
Pentaerythritol maleate
Pentaerythritol nitrate
Pentaerythritol oxalate
Pentaerythritol phthalate
Pentaerythritol succinate
Pentasol
Perchloroethylene
Perilla oil
Perspirit
Petrohol
Petrol
Petroleum ether
Petroleum naphtha
Petroleum spirits
Phenyl acetate
Phenyl ether
Phenyl glycide
Phenyl salicylate
Phenylethyl alcohol
Phorone
Phthalic acid esters of 2-butyloctanol
Phthalic esters
Pilchard oil
Pine oils
Polyhydroxy alcohols
Propyl acetate
Propyl acetate, normal
Propyl alcohol
Propyl alcohol, normal
Propyl benzoate
Propyl chlorostearate
Propyl furoate
Propyl myristate
Propyl palmitate
Propyl stearate
Propylene oxide
Poppyseed oil
Raisinseed oil
Rapeseed oil
Refol
Resorcinol diacetate
Resorcinol monoacetate
Rosin oil
Rosin spirit
Rubberseed oil
Safe-t-esso
Sardine oil
Saligenin
Salmon oil
Seal oil
Sesame oil
Shale spirits
Shark oil
Sipolin
Solvent E13, E33, GC, RS200, 8950, 555
Solvent naphtha
Solvesso 1, 2, 3
Solvol A, B
Sorbitol
Sorbitol acetate
Sorbitol benzoate
Sorbitol formate
Sorbitol maleate
Sorbitol oxalate
Sorbitol phthalate
Sorbitol succinate
Soybean oil
Succinic acid esters of 2-butyloctanol
Sunflower-seed oil
Supervar
Tamasol J
Tar spirits
Terpine
Terpineol
Terpineol butyrate
Terpinyl acetate
Tetracholorethane
Tetrachloroethylacetanilide
Tetracol
Tetraform
Tetrahydrofurfuryl acetate
Tetrahydrofurfuryl alcohol
Tetralin
Toluene
Toluenemonoethylsulphonamide
Triacetin
Triamyl borate
Trichloroanilin
Trichloroethylene
Trichloromethylacetanilide
Tricresyl phosphate
1:1:3-Trimethylcyclohexanone
Trinaphthyl phosphate
Triphenyl phosphate
Troluoil
Tung oil
Turpentine
Turpentine substitutes
Varnite
V.M. & P. naphtha
Walnut oil
Whale oil
White spirits
Wood oil
Yellowtail-fish oil
Xylene

Marble

Cleansers for Marble

Beeswax
Carborundum
Crystalon
Infusorial earth
Pitch
Pumice
Rosin
Shellac
Slate flour
Sodium carbonate

Materials Used in Making Imitation Marble

Asbestos
Cork
Florentine cement
Magnesite
Pumice
Sawdust
Soft soap

Reagents for Removing Stains from Marble

Ammonium chloride
Aqua ammonia
Oxalic acid

Reagents Used in Coloring Marble

Alcohol
Aluminum-earth metals
Magnesium
Silver nitrate

Margarin

Antioxidants Used in Margarin

Hydroxymethylanethol
Maleic acid
Mesodibutylacridin
Mesodiethylacridin
Mesodimethylnaphthylacridin
Mesodiphenylacridin
Mesodipropylacridane
Mesoditolylacridin
Mesoethylphenylacridin
Mesomethylacridane
Mesomethylbutylacridane
Mesomethylbutylacridin
Mesomethylphenylacridin
Propenylguaethol

Artificial Flavors for Margarin

Butterarome
Butterarome 5 (oil-soluble)
Buttersynth B, C

Carriers for Metal Catalysts in the Hydrogenation of Fats and Oils for Margarin

Animal-black
Bauxite
Boneblack
Carbons
Clay
Clay, burnt
Charcoal
Fireclay
Glass
Kieselguhr
Lampblack
Metal cylinders
Paper cylinders
Petroleum coke
Pumice
Selenium
Wood cylinders

Catalysts for Hydrogenation Process in Manufacture of Margarin

Acids
Carbon
Aluminum
Cerium
Bases
Cerium oxide
Cerium salts
Charcoal
Chromium
Chromium carbide
Chromium oxide
Chromium silicide
Cobalt
Cobalt, colloidal
Cobalt acetate
Cobalt carbide
Cobart carbonate
Cobalt formate
Cobalt hydroxide
Cobalt lactate
Cobalt oxide
Cobalt silicide
Copper
Copper acetate
Copper carbide
Copper formate
Copper hydroxide
Copper lactate
Copper nitrate
Copper oleate
Copper salts
Copper silicide
Copper stearate
Iron
Iron, colloidal
Iron acetate
Iron carbide
Iron carbonate
Iron formate
Iron hydroxide
Iron lactate
Iron oxide
Iron silicide
Manganese
Manganese carbide
Manganese oxide
Manganese silicide
Mercury
Metals
Metal acetates
Metal carbides
Metal carbonates
Metal formates
Metal hydroxides
Metal lactates
Metal oxides
Metal silicides
Molybdenum carbide
Molybdenum oxide
Molybdenum silicide
Nickel
Nickel, colloidal
Nickel acetate
Nickel carbide
Nickel carbonate
Nickel carbonyl
Nickel formate
Nickel hydroxide
Nickel lactate
Nickel nitrate
Nickel oleate
Nickel oxide
Nickel salts
Nickel silicide
Nickel stearate

(To be continued)

Fertilizer Materials

Buying Interest Continues at Low Point—Forward Prices for Nitrate Of Soda Expected This Week—August Sulphate Price Expires Wednesday

Purchasing interest in the agricultural chemicals market ebbed further into dullness last week. Rough ammoniates, which were the only materials to show movement in price, sagged further.

With only a passive interest shown in the progress of the market, the next awaited development was the appearance of forward prices for nitrate of soda. As this is written, nitrate is offered for August delivery only, but it is expected that forward prices will be made known to the fertilizer producers during the forepart of this week.

Sulphate of ammonia was practically unobtainable for August delivery and at the August price. In accordance with the prescription of the schedule, prices for material in bulk will advance 25c.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Fish meal, Japanese sardine, 50c. per ton.

Reduced

Blood, dom., N.Y., 15c. per unit-ton.
Tankage, dom., Chicago, 5c. to 10c. per unit-ton.
New York, 20c. per unit-ton.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
66.3	66.3	66.3	66.7

Market news that may have developed after this report was sent to press will be found on page 4.

per ton for September delivery. The steel mill operating rate continued to register improvement, reaching 42.8 percent of capacity last week. Each weekly step-up in coke oven operations augurs a little better for the sulphate supply for the Fall months. As reported previously, some mills are sold up for two months ahead, and there have been occasional reports that some mills were sold up to the end of 1938.

Phosphate materials were very quiet. Potashes were also lacking in new activity, and the only life in that group was in the delivery of materials against the contracts booked at the maximum discount levels early in the season.

Ammoniates

Nitrates of Soda.—Up to the time of this writing the sellers were offering material for August delivery only. Prices for delivery beyond the end of this month are expected momentarily, and, according to the belief around the market, the sellers are likely to name prices for the remainder of the season. Heretofore this season the offerings were limited first to July delivery and then to August.

Sulphate of Ammonia.—Although it was practically impossible to buy for August delivery last week, the improving rate of steel production may ease the present tight supply situation within a short time. Steel mill operations reached 42.8 percent of capacity, against 40.4 percent a week ago and only 37 percent of capacity a month ago. As reported previously, some of the mills have been sold up on September-October production, but September delivery seems easier to obtain than August was. The price for material in bulk will advance 25c. per ton Thursday to the basis of $27 per ton, f.o.b. cars nearest Atlantic or Gulf port, and/or $1 per ton cheaper f.ob. cars at nearest inland oven, whichever price is lower to destination.

Dried Blood.—Prices in the New York market dropped further. As reported in the late market summary of last week's issue, holders had lowered their asking price to $2.80 per unit and later last week sales were put through at $2.75 per unit, a drop of 15c. per unit for the week. The Chicago market remained at $2.75 per unit, with very little buying interest. Imported material was last reported at $3.10 per unit.

Fish Scrap. — Menhaden fishing in Chesapeake waters was reported to have improved somewhat last week, but the hauls so far have been very small. There has been no additional business taken on a when-and-if-made basis, and the price of $3.25 and 10c. per unit-ton at facory, which was taken on the most recent trades, was now more or less nominal. Menhaden meal in Baltimore was firm at $48 per ton. Japanese sardine meal continued in a quiet position, but $44 per ton was the best price mentioned for shipment, against $43.50 per ton in the preceding week. The $44 price was c.i.f.

Nitrogenous Material. — The market's position did not change last week. Some sellers still claimed to be out of the market. Others continued to offer at the prices that have been quoted for the past few weeks. There was very little buying concern.

Tankage.—Domestic prices continued to sag. Buyers gave the market very little attention, and sellers in New York lowered their quotations by 15c. to the basis of $2.70 and 10c. per unit-ton for either ground or unground material. Chicago was also easier, with $2.55 and 10c. per unit-ton asked for fertilizer grade and $2.75 and 10c. per unit-ton for feeding material. These were reductions of 5c. and 10c., respectively. Imported material continued in a nominal position and has not been offered here lately.

Potashes

The week-to-week position of the market for agricultural potash materials does not show much change. Sellers say they are making regular deliveries against contracts which were booked early in the season. As reported previously, there is not much new activity expected until close to the time when the current discount allowance expires, and some of the suppliers of potash materials do not expect to book much business at that time. The current discount offering of 5 percent is allowed on orders placed prior to October 1 for spot delivery or for delivery in approximately equal monthly quantities through December.

Phosphates

Some of the bone products had a little firmer tone last week albeit there was not much trading reported. Superphosphate continued in an even position, with very little material moving against contracts. Phosphate rock's position was much the same as it has been in recent months.

Bone Materials.—Imported 3 & 50 material was rather firm at $23 per ton in 100-pound bags, basis c.i.f. Imported 1 & 65-70 material was priced at $21.50 per ton for good grades, with $21 per ton still mentioned in some directions. Precipitated dicalcium phosphate sold at 80c. per unit, c.i.f. for shipment from abroad.

Superphosphate.—Producers were not able to move much material against contracts. Prices continued at $7.50 per ton for the run of the pile and $8 per ton for guaranteed, f.o.b. Baltimore. Baltimore producers also offered triple super testing 40-48 percent at 70c. per unit, in bulk. This figure was said to be firm, and there was a limited tonnage to be sold.

Sulphur and Pyrites

While the demands for deliveries of sulphur against contracts were still spotty, there has been a mild improvement in the volume and frequency of purchase orders received. Steel industry buyers were the most prominent last week and also a week ago. The paper manufacturers have also shown more purchasing interest. The heavy delivery season for inland destinations is not many weeks off. Buyers whose plants are located on or near inland waterways usually take in their Winter supply in the Fall months, while the waterways are still open to navigation. The price situation has not changed.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Markets at Other Centers

Atlanta, Aug. 25.—The fertilizer materials market remains quiet. Price quotations show little change from those of last week. Cottonseed meal quotations are lower following the Mississippi Valley lead. Production of superphosphate is reported slowed up in view of the stocks carried over and the uncertainty of crop outlook.

Weather continued favorable to the cotton crop both as developing the plant's fruit and checking boll weevil increase. Sales of tobacco in Georgia and Florida have broken all records and growers are well pleased at prices, but there is strong resentment against terms of allotments imposed by the Federal government.

Quotations in this rather nominal market are as follows:—

SUPERPHOSPHATE.—$8.40 per ton, interior producing points.

COTTONSEED MEAL.—$22.50 to $23.50 per ton, interior mills.

BLOOD.—$2.90 per unit, Chicago; foreign $3.35 port basis.

TANKAGE.—$2.90 and 10c. per unit, basis Chicago; $3.35 and 10c. ports.

NITROGENOUS. — Foreign, $2.70 per unit, port basis; domestic, $2.25 producing points.

FISH.—Scrap, $3.25 and 10 Chesapeake Bay points. Sardine meal $45 per ton, port basis.

Baltimore, Aug. 25.—The quiet in the crude fertilizer material market here continued unbroken. Buying interest remained at a low ebb. Prices have held up fairly well under the circumstances. The prevailing quotations are about as follows:—

FISH SCRAP.—Owing to the scanty menhaden hauls in the Bay and outside the capes, the trading in unground has been limited. Quoted figures, remained nominally at $3.25 and 10c. per unit-ton, at factory. Menhaden meal hold nominally at $48 per ton f.o.b. shipping point. Japanese sardine meal is quoted at $44 per ton c.i.f. for shipment, with practically no trade and with freight space scarce.

TANKAGE.—$2.90 and 10c. to $3 and 10c. per unit-ton for ground with unground at $2.50 and 10c. to $2.75 and 10c. per unit-ton, depending on quality.

DRIED BLOOD.—$3 per unit-ton was mentioned as the prevailing level, and with little or no trading. Buyers ideas are lower than the asked figure.

SUPERPHOSPHATE.—$7.50 per ton for run of pile and $8 per ton for 16 percent milled and screened stocks at shipping point.

NITROGENOUS MATERIAL.—Imported was around $2.65 to $2.70 per unit.

BONE.—$22 to $23 per ton for 1 and 60; $25 to $26 per ton for 3 and 50 ground steamed; $29.50 per ton for 4½ and 50 ground raw; and $28 to $29 per ton for 6 and 30 stocks.

Chicago, Aug. 25.—A slightly easier tone has carried through numerous grades of fertilizer materials in the market here in the last few days. Tone is somewhat backward, and there have been few sales. Tankage is slow and little changed in price. Bone materials are easy, with buying mostly in limited lots.

BLOOD.—Principal grade, $2.75 to $3 per unit of ammonia.

TANKAGE.—High grade, ground, $2.50 to $2.75 and 10c.; low grade, $19 to $20; hoof meal, $2.50 to $2.65; liquid stick, $1.85 to $2.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $19 to $20; 3 and 50 percent, $24 to $25; 4½ and 50 percent, $27 to $29; grinding hoofs, pigs' toes and waste horn materials, $40 to $50, mostly

—Continued on page 50

World Nitrogen Fixation Capacity Shows Increase

A comprehensive statistical study of world nitrogen industry has been published under the title "Nitrogen Fixation Works in the World," by Chisso Kyogi Kai, Tokyo, Japan, by the operators of a large synthetic ammonia plant at Konan, Chosen. From this study it would appear that the number of nitrogen fixation plants has grown from 113 in 1931 to 145 in 1937, and in 1935 there were 139 plants with a capacity of 3,056,380 tons. All of the new construction has consisted of synthetic ammonia plants. Capacity for all types of nitrogen fixation has increased 50 percent, according to the study.

A summary of plants and capacity by countries, as compiled by Chisso Kyogi Kai, follows. No attempt has been made by the Department of Commerce to check the accuracy of the individual figures presented.

Nitrogen Fixation Capacity

	1937		1931	
	Metric tons.		Metric tons.	
	Plants.	Capacity.	Plants.	Capacity.
Germany	13	1,365,850	12	1,037,000
Japan	21	490,132	20	245,290
United States	10	292,510	8	203,650
France	27	244,050	22	207,550
England	2	232,870	2	185,500
Belgium	10	217,980	5	38,500
Russia	4	157,500	1	7,300
Italy	18	146,860	14	90,250
Netherlands	3	136,650	2	34,000
Norway	4	121,000	3	108,000
Canada	3	102,000	2	73,200
Poland	5	88,930	6	99,000
Manchukuo	1	40,000	..	.....
Czechoslovakia	4	37,640	3	17,500
Yugoslavia	3	23,900	3	19,000
Sweden	3	14,036	3	8,000
Switzerland	3	13,200	3	12,600
Spain	3	8,000	3	7,700
Rumania	2	8,000	1	7,400
China	2	7,175	..	.....
South Africa	1	5,740	..	.....
Hungary	1	5,740	..	.....
Brazil	1	3,500	..	.....
Bulgaria	1	60	..	.....
Total	145	3,763,323	113	2,402,440

Central Chemical Agrees To Relocate Mixing Plant

Protests of residents in the vicinity of the mixing Plant of the Central Chemical Corporation, Baltimore, Md., over the allegedly offensive odors emanating from the plant, have been silenced by an understanding that the corporation will discontinue mixing operations in the plant after the Fall season. Whether activities of the organization will be transferred to Hagerstown, Md., the location of its headquarters, or to some other locations, has not been divulged.

Dr. A. L. Grizzard, assistant agronomist for the National Fertilizer Association since 1936, has resigned from the association staff to become associate agronomist for the Virginia Experiment Station, Blacksburg, Va., where he will have charge of pasture research.

G. F. Coope, president of the Potash Company of America, Carlsbad, N. M., who was stricken some time ago with pneumonia, made a quick recovery, walking out of the hospital after five days. Last week he visited Baltimore, where he spent several days conferring with the officials of the sales office.

DOMESTIC
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR
THE Barrett COMPANY — 40 RECTOR STREET, NEW YORK

CRUDE SULPHUR
99½% PURE
Free From
ARSENIC, SELENIUM AND TELLURIUM
TEXAS GULF SULPHUR COMPANY
(INCORPORATED)
75 East 45th St., New York City
Deposits and Plants: Newgulf and Long Point, Texas

Chemical Salesmen to Hold Special Meeting Sept. 13

A special meeting of the membership of the Salesmen's Association of the American Chemical Industry will take place immediately following the final golf tournament at the Shackamaxon Country Club, September 13, to vote upon the proposal to widen the provisions of section 3, article 3 of the constitution to read as follows:—

"Candidates for admission must be proposed to the membership committee by a member of the association, and seconded by another, to both of whom the candidate must be personally known.

A list of applicants shall periodically be mailed by the secretary to the entire active membership and if before the next meeting of the membership committee there are no dissenting votes, the membership committee shall act on the applications and submit such names for the acceptance of the executive committee.

A dissenting vote of two members of the executive committee present, shall constitute rejection."

The proposed change has been submitted by the committee appointed by Charles E. Kelly, of Haggerty Brothers, president of the association, to re-draft section 3, article 3, of the new constitution. The committee was composed of Walter Merrill, of Joseph Turner & Co.; Joseph Wafer, of the industrial chemical sales division of the West Virginia Pulp & Paper Company, and Ralph Dorland, of the Dow Chemical Company.

Current Market Quotations

—Continued from page 21

Yellow—Zirconium Ox.

Yellow, Dutch pink, bbls.	lb.	.09 - .11
ransa, bbls., same basis, chrome	lb.	1.37 - —
Mercury oxide (see M).		
Ocher, Amer., golden, A, bbls., works	lb.	.06¼- —
B, bbls., works	lb.	.04½- —
C, bbls., works	lb.	.03½- —
yellow, A, bbls., works	lb.	.02¾- —
B, bbls., works	lb.	.02½- —
C, bbls., works	lb.	.02 - —
D, bbls., works	lb.	.0195- —
E, bbls., works	lb.	.01775- —
F, bbls., works	lb.	.01½- —
G, bbls., works	lb.	.01½- —
H, bbls., works	lb.	.01⅜- —
French, all shades, cks., c.l., ex dock Balto, Boston, N. Orleans, for import	lb.	.02475- —
New York (f.o.b.)	lb.	.02½- —
Philadelphia, for import	lb.	.02¾- —
Portland, Seattle	lb.	.03 - —
San Pedro, S. Francisco	lb.	.0290- —
l.c.l., ex dock, Balto, Boston, N. Orleans	lb.	.02575- —
New York	lb.	.02½- —
Philadelphia, for import	lb.	.02¾- —
Portland, Seattle	lb.	.03½- —
San Pedro, S. Francisco	lb.	.03 - —
ex whse., Balto., Boston, N. Orleans	lb.	.02725- —
Chicago, E. St. Louis, Ind'polis, K. City, Milwauk., St. Louis	lb.	.03⅝- —
Yellow, French, all shades, cks., c.l., ex whse Minneapolis	lb.	.03½- —
New York	lb.	.02¾- —
Pittsburgh	lb.	.03¼- —
Portland, Seattle	lb.	.03⅜- —
San Pedro, S. Francisco	lb.	.03¼- —
f.o.b. N. Y., from dock,	lb.	.02⅝- —
from whse.	lb.	.02⅞- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem Easton, N.Y.	lb.	.04½- —
l.c.l., same basis	lb.	.04¾- —
synth., bbls., c.l., works	lb.	.06½- —
l.c.l., works	lb.	.06¾- —
Persian orange (see O).		
Zinc, bbls., same basis chrome CP. contracts	lb.	.18 - —
open order	lb.	.19 - —
Yellow dock root, bls.	lb.	.09 - .10
Yellow root (xanthoriza), bls.	lb.	.09 - .10
Yerba santa leaves, bls.	lb.	.08½- .10
Yohimbine hydrochloride, vls.	oz.	2.50 - 2.55

Z

Zinc acetate, tech., bbls., dlvd.,	lb.	.21 - —
USP., bbls., 250 lbs.	lb.	.27 - —
kgs., 100 lbs.	lb.	.29 - —
Arsenate, bgs., cs., c.l., dealers, E. of Rockies	lb.	.12½- —
c.l., bgs., cs.	lb.	.13 - —
Arsenite, bgs., cs., c.l., dealers, E. of Rockies	lb.	.12½- —
W. of Rockies, bgs.	lb.	.12¾- —
l.c.l., bgs., cs.	lb.	.13 - —
W. of Rockies, bgs.	lb.	.12¾- —
Zinc arsenate and arsenite price are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.		
Carbonate, tech., bbls.	lb.	.14 - .15
USP, precip., powd., bbls.	lb.	.31 - —
dms.	lb.	.36 - —
kgs.	lb.	.33 - —
Chloride, fused, dms., c.l., works	100 lbs.	4.25 - —
l.c.l., works	100 lbs.	4.60 - —
gran., dms., c.l., works, 100	lbs.	5.00 - —
l.c.l., dms., works	100 lbs.	5.75 - —
USP, 200-lb. dms.	lb.	.25 - —
25 lb. jars	lb.	.31 - —
solut., dms., wks.	lb.	.04½- —
tanks	lb.	.0226- —
Cyanide, kgs., works	lb.	.33 - —
Dust, bbls., c. l., dlvd.	lb.	.06¾- —
l.c.l., bbls., dlvd.	lb.	.07¼- —
Fluoride, bbls.	lb.	.20 - .25
Iodide, N.F., bots.	lb.	4.35 - —
jars	lb.	4.20 - —
Metal (see daily quotations in Market report)		
Oxide, pigment, dom., Amer., process, coml., lead-free, bgs., c.l., dlvd.	lb.	.06¼- .07½
l.c.l., dlvd., except Pac. cst.	lb.	.06½- .07¾
ex whse., Pac. cst.	lb.	.06½- .07¾
bbls., c.l., dlvd.	lb.	.06½- .07¾
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- .08
ex whse., Pac. cst.	lb.	.06¾- .08
leaded, 5%, bgs., c.l., dlvd.	lb.	.06¼- —
l.c.l., dlvd., except ex whse., Pac. cst.	lb.	.06¾- —
bbls., c.l., dlvd.	lb.	.06¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- —
ex whse., Pac. cst.	lb.	.06¾- —
35%, bgs., c.l., dlvd.	lb.	.0590- —
l.c.l., dlvd., except Pac. cst.	lb.	.0615- —
ex whse., Pac. cst.	lb.	.0615 - —
bbls., c.l., dlvd.	lb.	.0615- —
l.c.l., dlvd., except Pac. cst.	lb.	.0640- —
ex whse., Pac. cst.	lb.	.0640- —
50%, bgs., c.l., dlvd.	lb.	.0592- —
l.c.l., dlvd., except Pac. cst.	lb.	.0617- —
ex whse., Pac. cst.	lb.	.0617- —
Zinc, oxide, pigment, dom., Amer. process leaded, 50%, bbls., c.l., dlvd.	lb.	.0617- —
l.c.l., dlvd., except Pac. cst.	lb.	.0642- —
ex whse., Pac. cst.	lb.	.0642- —
French process, com'l lead-free, bgs., c.l., dlvd.	lb.	.06¼- .07⅛
l.c.l., dlvd., except Pac. cst.	lb.	.06½- .07¾
Zinc oxide, French process, com'l lead-free, bgs., c.l., ex whse., Pac. cst.	lb.	.03½- .07¾
bbls., c.l., dlvd.	lb.	.06½- .07¾
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- .08
ex whse., Pac. cst.	lb.	.06¾- .08
green seal, bgs., c.l., dlvd.	lb.	.08 - —
l.c.l., dlvd., except Pac. cst.	lb.	.08¼- —
ex whse., Pac. cst.	lb.	.08¼- —
bbls., c.l., dlvd.	lb.	.08¼- —
l.c.l., dlvd., except Pac. cst.	lb.	.08½- —
ex whse., Pac. cst.	lb.	.08½- —
red seal, bgs., c.l., dlvd.	lb.	.07½- —
l.c.l., dlvd., except Pac. cst.	lb.	.07¾- —
ex whse., Pac. cst.	lb.	.07¾- —
bbls., c.l., dlvd.	lb.	.07¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.08 - —
ex whse., Pac. cst.	lb.	.08 - —
white seal, bgs., c.l., dlvd.,	lb.	.08½- —
l.c.l., dlvd., except Pac. cst.	lb.	.08¾- —
ex whse., Pac. cst.	lb.	.08¾- —
bbls., c.l.	lb.	.08¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.09 - —
ex whse., Pac. cst.	lb.	.09 - —
import, gold seal, cks., ex whse.	lb.	.13 - .14
green seal, bbls., ex whse.,	lb.	.10 - —
white seal, cks., ex whse.,	lb.	.11 - .12½
USP, bbls., c.l.	lb.	.09½- —
Palmitate, bbls.	lb.	.23 - .25
Resinate, fused, pale, bbls.	lb.	.10 - —
precip., dms., dlvd.	lb.	.15 - —
Stearate, tech., precip., bbls., ctns., c.l.	lb.	.20 - —
l.c.l., 1 ton.	lb.	.21 - —
1,000-2,000 lbs.	lb.	.22 - —
less than 1,000 lbs.	lb.	.23 - —
U.S.P., bbls.	lb.	.21 - .23
Sulphate, cryst., bgs., c.l.	100 lbs.	2.75 - —
l.c.l.	100 lbs.	3.50 - —
bbls., c.l.	100 lbs.	2.90 - —
l.c.l.	100 lbs.	3.65 - —
flake, bgs., c.l.	100 lbs.	3.10 - —
l.c.l.	100 lbs.	3.85 - —
bbls., c.l.	100 lbs.	3.25 - —
l.c.l.	100 lbs.	4.00 - —
l.c.l.	100 lbs.	5.10 - —
bbls., c.l.	100 lbs.	4.50 - —
l.c.l.	100 lbs.	5.25 - —
Sulphide, bgs., c.l. (20 tons), dlvd.	lb.	.08¾- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.08¾- —
bbls., c.l. (20 tons), dlvd.	lb.	.08¾- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.08¾- —
Sulphocarbolate, NF, bbls.	lb.	.24 - .26
Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.15 - —
l.c.l., works	100 lbs.	5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd.	lb.	.05 - —
l.c.l., dlvd., except Pac. cst.	lb.	.05½- —
ex whse., Pac. cst.	lb.	.05½- —
Zirconium nitrate, kgs., work.	lb.	3.00 - 4.00
Oxide, crude, 73-75%, grd., bbls., works	ton	75.00 -100.00
kgs., small lots, works	lb.	.04¼- .04½
white, 98%, rgd., kgs., works,	lb.	1.40 - 1.52

Synthetic Resins and other Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the August 1 issue; the next printing will be in the September 5 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials Market, which begins on page 31.

After the vein of natural salts has been undercut by modern machinery and blasted down, it is mechanically loaded into mine cars, hauled to the shaft, then hoisted 1000 feet to the surface.
RED MURIATE
POTASH COMPANY
of America
GENERAL SALES OFFICE--MERCANTILE TRUST BLDG.--BALTIMORE, MD.
SOUTHERN SALES OFFICE--MORTGAGE GUARANTEE BLDG.--ATLANTA, GA.

Activated Sludge Patent Claims Contested

Chicago, Aug. 19, 1938

Activated Sludge, Inc., has been temporarily restrained from making further compromise settlements in connection with alleged infringements of its patents for the purification of sewage, according to a decision handed down by Federal Judge Sullivan. The order was issued pending the disposal of a suit before the court to determine the rights of various claimants to the patents.

Judge Sullivan continued until October 7, 1938, a motion by counsel for Albert W. Dilling, former chief engineer for the Sanitary District of Chicago, who sought the appointment of a receiver for all amounts collected. Mr. Dilling alleges that he and three associates were the original licensees in the United States for the English patents held by the Activated company.

The Activated company recently obtained a compromise settlement with the City of Milwaukee whereby the city agreed to pay $818,000 for infringement of the patents. This agreement was not affected by the restraint order. Similar suits are pending against the Sanitary District of Chicago and other cities.

Soap Exports from U.S. Off $338,742 in Six Months

United States exports of soaps during the first half of 1938 declined $338,742, with the total amounting to $1,337,742, against $1,656,339 in the corresponding period of 1937.

U. S. Exports of Soap

	First Six Months 1938.	1937.
Medicated	$92,082	$130,338
Toilet or fancy	636,088	691,425
Laundry	248,063	436,110
Powdered or flaked	62,898	59,960
Shaving creams	69,529	80,377
Shaving cakes, powders and sticks	34,705	41,217
Scouring bricks, pastes, powders, soaps and household washing powders	138,087	172,195
Other soap	55,545	44,717
Total	$1,337,597	$1,656,339

Fertilizer Materials

Sulphur and Pyrites

—Continued from page 49

nominal; cattle jaws, skulls and knuckles, $18 to $19; pork cracklings, soft pressed, $40 to $45; beef cracklings, soft pressed, $30 to $35; hard pressed cracklings, per unit of protein, 57½c. to 60c.

San Francisco, Aug. 23.—Chemical fertilizer materials again ruled in quiet fashion in California market, while trade in organics like fish meal and tankage was more or less active at times. California sardine, and, Oregon and Washington pilchard meal were reduced in price when producers moved some tonnage at figures of $37.50 for California and $35 for Northern meal. A routine demand for blood and tankage appeared to be keeping the packing houses fairly well cleaned up, various manufacturers reporting they had nothing but small quantities for sale, if at all. Huge surpluses of California fruits, especially oranges and peaches is a factor tending to discourage further trade in chemicals right now.

Ruling prices were:—

SULPHATE OF AMMONIA.—Quoted in 100-pound bags at $31.50 per ton, port basis, San Francisco and/or Los Angeles harbor. Inland points, delivered, $1 per ton extra. Prices in effect through June, 1939.

NITRATE OF SODA.—100-pound bags, $29 per ton ex vessel or warehouse, San Francisco/Oakland. 200-pound bags; $28.30 per ton ex vessel or warehouse, San Francisco/Oakland.

SUPERPHOSPHATE.—Domestic, 75c. per unit in bulk, f.o.b. producer's plant, San Francisco Bay. Bags, quoted at 85c. per unit. Foreign material nominal.

AMMONIA PHOSPHATE.—Quoted at $40 per ton, single bags, f.o.b. cars, San Francisco; basis 16 percent N., 20 percent P.A. Inland points, delivered, $1 per ton extra.

FISH MEAL.—California sardine meal, new season, early delivery, is quoted on the basis of $37.50 per ton, f.o.b. production point. Later deliveries quoted on the same basis. Washington and Oregon pilchard meal quoted at $35 per ton, f.o.b. production point.

TANKAGE.—Fertilizer grade tankage, wet rendered, from domestic packing houses, quoted nominally on the basis of $2.60 and 10c. per unit-ton, f.o.b. cars, South San Francisco. Higher grade, quoted at $3.10 and 10c. Dry rendered, ground, quoted on the basis of $37.50 per ton, f.o.b. cars, San Francisco. Unground, dry rendered, quoted at 60c. to 62½c. per unit of protein.

BLOOD MEAL.—Domestic, $2.90 to $3.00 per unit, f.o.b. cars, Los Angeles.

Shipping Information

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Imports at U.S. Ports

New York Imports

ACID, CRESYLIC — 1 cs, Philipp Bros, Samaria, Liverpool
1 bx, American Farmer, London
18 dms, 3 tons, 18 cwt, 1 qtr, Samaria, Liverpool
STEARIC—67 bgs, 5 tons, 3 cwt, 3 qtrs, 21 lbs, Orbis Product Corp, Samaria, Liverpool
TARTARIC—240 cks, Leghorn Trading Co, Roma, Genoa
AGAR AGAR, STRIP—40 bls, Mitsui & Co, Aobasan, Kobe
ALBUMEN, EGG, HEN—22 cs, A Hurst & Co, Excambion, Marseilles
VEGETABLE—8 cs, Volkart Bros, Bremen, Bremen
ALCOHOL, SULPHONATED—67 dms, 19,093 lbs, E I du Pont de Nemours & Co, New York, Hamburg
ALOE—50 cs, Selma Mercantile Corp, Astrea, Bonaire
44 cs, J L Hopkins & Co, American Farmer, London
ALUM, CHROME—3 kegs, 2,380 lbs, Washington, Hamburg
ALUMINA AND MAGNESITE—5 cs, 1,073 lbs, A W Fenton Co, New York, Hamburg
ALUMINUM LEAF—33 cs, Globe Shipping Co, New York, Hamburg
POWDER—11 cs, 3,233 lbs, Heemsoth-Kerner Corp, New York, Hamburg
AMMONIA, SULPHOCYANIDE—20 cks, 1 ton, 1 cwt, 2 qtrs, 17 lbs, Pfaltz & Bauer, Samaria, Liverpool
ANGELICA SEED—20 bls, Norda Essential Oil & Chem Co, Henri Jaspar, Antwerp
ANISE—20 bgs, 2,200 lbs, Knickerbocker Mills Co, Pilsudski, Gdynia
111 bgs, Siboney, Vera Cruz
ANNATTO SEED—25 bgs, D Steengrafe, Santa Inez, Guayaquil
ANTIMONY ORE—2,065 bgs, Watson, Geach & Co, Laila, Antofagasta
1,408 bgs, Bank of London-South America, Laila, Antofagasta
ARCHIL LIQUID—5 cks, 1 ton, 11 cwt, 3 qtrs, 17 lbs, Empire Color & Chem Co, Samaria, Liverpool
ARSENATE—1 cs, 158 lbs, Eimer & Amend, Washington, Hamburg
ARTISTS' MATERIAL—3 cs, Winsor & Newton, American Farmer, London
ASBESTOS—2,725 bgs, 330,055 lbs, Birmania, Genoa
ASPHALT—1 car, A V Berner & Co, Seatrain Havana, Havana
330 bgs, A V Berner & Co, Siboney, Havana
BABASSU KERNELS—7,999 bgs, General Food Corp, Sonnavind, Maranhao
BALSAM—17 cs, C E Griffin & Co, Santa Rosa, Cristobal
12 cs, Dodge & Olcott Co, Santa Rosa, Cristobal
14 cs, W R Grace & Co, Santa Rosa, Cristobal
BARBASCO ROOT—117 bls, Benedict, Iquitos
1 bl, Astoria Import & Mfg Co, Benedict, Iquitos
BARYTES—2,000 bgs, 220,000 lbs, Whittaker, Clark & Daniels, Birmania, Genoa
500 bgs, 55,000 lbs, C J Osborn & Co, Birmania, Genoa
2,082 bgs, 176,000 lbs, Smith Chem & Color Co, Birmania, Genoa
551 bgs, 55,000 lbs, Wishnick-Tumpeer, Birmania, Genoa
LUMP—1 car, United Color & Pigment Co, Seatrain Havana, Havana
BAY RUM—31 dms, Borne Distilling Co, Nerissa, St Thomas
BLUE, BRONZE—9 dms, Stanley Doggett, Volendam, Rotterdam
BONES—2 cars, Geck Trading Corp, Seatrain Havana, Havana
BRISTLES—60 cs, Rubberset Co, Aobasan, Dairen
3 cs, American Farmer, London
6 cs, Black Gull, Antwerp
CALCIUM METAL—17 cs, Charles Hardy, Estrella, Marseilles
CAMPHOR, REFINED—210 cs, Mitsui & Co, Aobasan, Kobe
CANARY SEED—250 bgs, A G Dun, Western World, Buenos Aires
152 bgs, J T Connor, Western World, Buenos Aires
300 bgs, Extavia, Istanbul
CARAMEL—2 cks, American Farmer, London
CARAWAY SEED—100 bgs, 11,000 lbs, R L Friedler, Rotterdam, Rotterdam
100 bgs, 11,000 lbs, American Bluefriesveen Co, Black Hawk, Rotterdam
200 bgs, 22,000 lbs, C M Van Sillevoldt, Volendam, Rotterdam
200 bgs, 22,000 lbs, R L Friedler, Volendam, Rotterdam
100 bgs, 11,000 lbs, Levy & Levis, Volendam, Rotterdam
CARBON DECOLORIZING—50 bbls, R W Greeff & Co, Volendam, Rotterdam
POWD—14 cks, 3 dms, 1 cs, Morganite Brush Co, American Farmer, London
CARDAMOM—7 cs, American Farmer, London
CAROB FLOUR—90 bgs, 9,900 lbs, S B Penick & Co, Excambion, Marseilles
CASEIN—34 bgs, American Cyanamid & Chem Co, Western Prince, Buenos Aires
CASSIA, VERA—617 bls, J F Frank, Greystoke Castle, Padang
CASTOR BEANS—3,388 bgs, Baker Castor Oil Co, Benedict, Bahia
2,886 bgs, Benedict, Maceio
1,621 bgs, Benedict, Camocim
4,170 bgs, Sonnavind, Maranhao
3,105 bgs, Sonnavind, Fortaleza
1,855 bgs, National City Bank, Sonnavind, Santos
1,700 bgs, Tunley & Co, Rio Verde, Bahia
1,694 bgs, Rio Verde, Bahia
3,400 bgs, Alegrete, Bahia
CELERY SEED—20 bgs, Van Loan & Co, Estrella, Marseilles
CEMENT, BLACK—10 cks, C J Osborn & Co, Volendam, Rotterdam
CHALK, PRECIP—80 bgs, American Farmer, London
CHAMOIS SKINS—6 cs, American Express Co, Washington, Havre
CHARCOAL—12 cs, Estrella, Marseilles
CHEMICALS—10 cks, 6,006 lbs, Hummel Chem Co, New York, Hamburg
1,016 bgs, 224,859 lbs, Advance Solvents & Chem Co, New York, Hamburg
46 bbls, 50 cks, 20 dms, 5 cs, New York, Hamburg
26 cs, Schimmel & Co, New York, Hamburg
2 cks, Rohner-Gehrig Co, New York, Hamburg
1 cs, Gane & Ingram, New York, Hamburg
CHEMICALS—50 cks, 12,320 lbs, Hummel Chem Co, New York, Hamburg
3 cs, Eimer & Amend, Washington, Hamburg
154 bgs, American Fluoride Corp, Rotterdam, Rotterdam
38 cks, Innis, Speiden & Co, Rotterdam, Rotterdam
45 cks, 1 dm, Rotterdam, Rotterdam
3 cks, General Dyestuff Corp, Rotterdam, Rotterdam
3 cyls, Great Eastern Packing Paper Corp, Ile de France, Havre
2 cs, Hoffman La Roche, Ile de France, Havre
15 bbls, Jungmann & Co, Pilsudski, Gdynia
278 dms, A P Miller Supply Co, Black Hawk, Rotterdam
30 cks, American Cyanamid & Chem Co, Black Hawk, Rotterdam
60 cks, Heemsoth Kerner Corp, Black Hawk, Rotterdam
5 dms, Black Hawk, Rotterdam
76 dms, Innis, Speiden & Co, Estrella, Marseilles
125 cks, E M Sergeant Pulp & Chem Co, Bremen, Bremen
2 cks, 2 cs, Bremen, Bremen
3 dms, General Aniline Works, Volendam, Rotterdam
18 cks, Innis, Speiden & Co, Volendam, Rotterdam
15 cs, Michel Export Co, Volendam, Rotterdam
1 ck, General Dyestuff Corp, Volendam, Rotterdam
1 dm, 1 cs, A Maschmeyer, Volendam, Rotterdam
2 crbys, Boericke & Runyon, Paris, Havre
1 cs, Gane & Ingram, Paris, Havre
3 cs, Lo Curto & Funk, Paris, Havre
2 bbls, F Behrend, Scanmail, Copenhagen
32 cks, Innis, Speiden & Co, Black Gull, Rotterdam
20 cks, Philip Bauer Co, Black Gull, Rotterdam
93 cks, Black Gull, Antwerp
5 bbls, Philip Bauer Co, Black Gull, Antwerp
CHINA CLAY—700 bgs, 77,000 lbs, Wm Manley, New York, Hamburg
CHROME ORE—4,000 tons, E J Lavino & Co, Robin Adair, Beira
OXIDE—2 cks, 239 lbs, Hensel Bruckmann & Lorbacher, New York, Hamburg
CINCHONA BARK—43 bls, E Moshein & Co, Santa Inez, Guayaquil
PRODUCTS—6 cs, R W Greeffe & Co, Rotterdam, Rotterdam
14 cs, R W Greeffe & Co, Volendam, Rotterdam
CINNAMON—27 bls, Durkee Famous Foods, Antigua, Puerto Cortes
CLAY, BURNT—200 bgs, G C Foster, Samaria, Liverpool
CLOVES—100 bls, Barber S S Line, American Farmer, London
COAL DUST—80 bgs, A V Berner & Co, Black Gull, Antwerp
COALTAR, DERIVATIVES—95 cks, General Aniline Works, Rotterdam, Rotterdam
9 dms, General Aniline Works, Volendam, Rotterdam
INTERMEDIATES—26 cks, General Aniline Works, New York, Hamburg
7 dms, Sandoz Chem Works, New York, Hamburg
1 ck, General Dyestuff Corp, New York, Hamburg
17 dms, General Aniline Works, Rotterdam, Rotterdam
29 dms, 12 cks, General Dyestuff Corp, Rotterdam, Rotterdam
3 dms, Ciba Co, Bremen, Bremen
13 cs, Sandoz Chem Works, Bremen, Bremen
9 dms, General Dyestuff Corp, Bremen, Bremen
81 dms, General Aniline Works, Volendam, Rotterdam
78 dms, 7 cks, General Dyestuff Corp, Volendam, Rotterdam
COBALT ORE—94 bgs, Watson Geach & Co, Laila, Valparaiso
COCA LEAVES—112 bls, Maywood Chem Works, Santa Rosa, Salaverry
COCOA BEANS—250 bgs, Wessel, Kulenkampf & Co, Western World, Trinidad
250 bgs, W R Grace & Co, Western World, Trinidad
250 bgs, Middleton & Co, Western World, Trinidad
500 bgs, Western World, Trinidad
2,297 bgs, Balfour, Guthrie & Co, Zarembo, Lagos
1,808 bgs, Standard Bank S A, Zarembo, Accra
9,600 bgs, Bank of London S A Zarembo, Accra
1,500 bgs, Superintendence Co, Zarembo, Accra
2,400 bgs, Afram Trading Corp, Zarembo, Accra
7,975 bgs, Bankers Trust Co, Zarembo, Accra
5,040 bgs, Bankers Trust Co, Zarembo, Takoradi
800 bgs, Afram Trading Corp, Zarembo, Takoradi
22,300 bgs, Bank of London S A, Zarembo, Takoradi
10,644 bgs, W A Leaman, New York, Hamburg
350 bgs, Western Prince, Port Spain
250 bgs, Royal Bank of Canada, Western Prince, Port Spain
1,000 bgs, National City Bank, Fredhem, Bahia
9,500 bgs, Fredhem, Bahia
250 bgs, Wessel, Kulenkampf & Co, Veragua, Cristobal
600 bgs, Machado & Co, Santa Rosa, La Guaira
50 bgs, Curacao Trading Co, Santa Rosa, Porto Cabello
60 bgs, W R Grace & Co, Santa Inez, Guayaquil
250 bgs, Santa Inez, Guayaquil
150 bgs, W R Grace & Co, Benedict, Itacoatiara
250 bgs, Benedict, Itacoatiara
25 bgs, Mecke & Co, Astrea, Maracaibo
264 bgs, Wessel, Duval & Co, Astrea, Puerto Cabello
700 bgs, Astrea, Puerto Cabello
250 bgs, Robin Adair, Trinidad
3,281 bgs, Superintendence Co, Egori, Lagos
6,400 bgs, Balfour, Guthrie & Co, Egori, Addah
6,295 bgs, Balfour, Guthrie & Co, Egori, Winnebah
1,600 bgs, Balfour, Guthrie & Co, Egori, Cape Coast
COCOA BEANS—10,580 bgs, Balfour, Guthrie & Co, Egori, Accra
800 bgs, Standard Bank South Africa, Egori, Accra
24,105 bgs, Balfour, Guthrie & Co, Egori, Takoradi
600 bgs, Gillespie & Co, Coamo, Trujillo
2,000 bgs, Wessel, Kulenkampf & Co, Rio Verde, Ilheos
1,000 bgs, Bankers Trust Co, Rio Verde, Ilheos
6,000 bgs, Nieschlag & Co, Rio Verde, Ilheos
1,500 bgs, W R Grace & Co, Rio Verde, Ilheos
1,000 bgs, Wood & Selick, Rio Verde, Ilheos
5,500 bgs, General Cocoa, Inc, Rio Verde, Ilheos
4,000 bgs, General Cocoa, Inc, Rio Verde, Bahia
3,000 bgs, W R Grace & Co, Rio Verde, Bahia
1,000 bgs, Wessel, Kulenkampf & Co, Rio Verde, Bahia
1,000 bgs, Rio Verde, Bahia
9,200 bgs, W Bartholomew & Co, Alegrete, Bahia
2,000 bgs, National City Bank, Alegrete, Bahia
8,900 bgs, W R Grace & Co, Alegrete, Bahia
1,000 bgs, Alegrete, Bahia
RESIDUE—300 bgs, Rio Verde, Ilheos
300 bgs, Alegrete, Rio de Janeiro
COCOABUTTER, REFD—10 cs, R W Greeff & Co, Volendam, Rotterdam
COCONUTS—500 bgs, 50,000 lbs, I L Toledano Corp, Guayaquil, Cristobal
30 bgs, 3,000 lbs, J Di Cristina, San Jacinto, Mayaguez
50 bgs, 5,000 lbs, H L Daranheim, San Jacinto, San Juan
50 bgs, 5,000 lbs, H L Daranheim, Coamo, San Juan
30 bgs, 3,000 lbs, J E Garcia, Coamo, San Juan
300 bgs, 30,000 lbs, T Scott & Co, Nerissa, St Vincent
160 bgs, 16,000 lbs, J Simon & Co, Quirigua, Kingston
400 bgs, 40,000 lbs, I L Toledano Corp, Quirigua, Kingston
500 bgs, 50,000 lbs, Far Eastern Mfg Co, Quirigua, Kingston
1,920 bgs, 192,000 lbs, General Food Corp, Quirigua, Kingston
1,704 bgs, 170,400 lbs, Universal Import & Export Co, Quirigua, Kingston
COCONUT DESIC—750 cs, Cooperative Coconut Prod, Inc, Aobasan, Manila
1,500 cs, Balfour, Guthrie & Co, Aobasan, Manila
1,500 cs, General Food Corp, Snestad, Manila
COLUMBITE ORE—18 cs, Western Prince, Rio Janeiro
COLORS—1 cs, Akatos, Inc, New York, Hamburg
20 cks, Fulton Dye Import Co, Ile de France, Havre
CADMIUM—6 cks, Hensel, Bruckmann & Lorbacher, New York, Hamburg
DRY—40 cks, C J Osborn & Co, Volendam, Rotterdam
EARTH—48 cks, 25,403 lbs, Reichard-Coulston, New York, Hamburg
PIGMENT—3 jugs, General Dyestuff Corp, Rotterdam, Rotterdam
COLUMBITE ORE—560 bgs, Union Ore Corp, Zarembo, Harcourt
CONIUM LEAVES—3 bls, 391 lbs, J L Hopkins & Co, New York, Hamburg
COPAIBA BALSAM—120 cs, F B Ross & Co, Benedict, Manaos
38 cs, Wessel, Duval & Co, Benedict, Manaos
30 cs, G Uhe Co, Benedict, Manaos
5 dms, G Uhe Co, Benedict, Itacoatiara
CORIANDER SEED—200 bgs, American Hawaiian S S Co, Extavia, Casablanca
200 bgs, Extavia, Casablanca
CORK SHAVINGS—625 bls, Estrella, Leixoes
737 bls, Estrella, Lisbon
VIRGIN—326 bls, Extavia, Casablanca
WASTE—11,428 bls, Chemical Bank Trust Co, Estrella, Leixoes
993 bls, Chase Natl Bank, Estrella, Leixoes
573 bls, Estrella, Leixoes
WOOD—369 bls, Estrella, Lisbon
68 bls, Wicander & Co, Estrella, Lisbon
CRESOL—10 kgs, 1 ton, 7 cwts, 2 qtrs, 15 lbs, Monsanto Chem Co, Samaria, Liverpool
CUMIN SEED—79 bgs, Estrella, Marseilles
67 bgs, Durkee Famous Food, Estrella, Marseilles
82 bgs, L A Champon, Estrella, Marseilles
154 bgs, I Harrison & Whitney, Estrella, Marseilles
85 bgs, American Farmer, London
CYANIDE PRECIP—19 cs, Smith Amer Development Co, Santa Inez, Guavaquil
DERRIS ROOT—16 bls, Bank of N Y Trust Co, Lossiebank, Singapore
110 bls, Chase Natl Bank, Lossiebank, Singapore
DIGITALIS LEAVES—11 pkgs, 1,177 lbs, New York, Hamburg
DRUGS—15 ctns, Winthrop Chem Co, Snestad, Manila
DYES—2 cks, General Dyestuff Corp, Rotterdam, Rotterdam
ALIZARIN—11 cks, General Dyestuff Corp, Rotterdam, Rotterdam
22 cks, General Dyestuff Corp, Bremen, Bremen
39 cks, General Dyestuff Corp, Volendam, Rotterdam
ANILIN—6 dms, Sandoz Chem Works, New York, Hamburg
8 cks, General Dyestuff Corp, New York, Hamburg
54 cks, 3 cs, 16 dms, General Dyestuff Corp, Rotterdam, Rotterdam
10 bbls, Geigy Co, Ile de France, Havre
83 dms, 1 cs, Ciba Co, Bremen, Bremen
28 dms, Sandoz Chem Works, Bremen, Bremen
54 cks, 1 cs, General Dyestuff Corp, Bremen, Bremen
78 cks, 2 dms, 1 cs, General Dyestuff Corp, Volendam, Rotterdam
1 kg, Empire Color & Chem Co, Samaria, Liverpool
18 bbls, Geigy Co, Paris, Havre
49 cks, 1 cs, Carbic Color & Chem Co, Paris, Havre
DYESTUFF—1 cs, American Express Co, New York, Hamburg
EARTH, WROUGHT—100 bgs, 11,000 lbs, Black Gull, Antwerp
ERGOT—40 cs, 5,544 lbs, S B Penick & Co, New York, Hamburg
ESTER SALT—1 cs, Shell Union Oil Co, Rotterdam, Rotterdam
FENUGREEK SEED—30 bgs, 6,705 lbs, Excambion, Alexandria
FERTILIZER—20 bgs, R C Wehling & Co, American Farmer, London
FILTER PAPER—13 cs, H Reeve Angel & Co, American Farmer, London
FLAXSEED—472 tons, 18,880 bus, Western Prince, Buenos Aires
430 tons, 17,200 bus, Bunge North Amer Grain Co, Western Prince, Buenos Aires
1,137 bgs, 2,501 bus, Bunge North Amer Grain Co, Western Prince, Buenos Aires
15,934 bgs, 35,054 bus, Archer, Daniels, Midland Co, Bonnavind, Rosario
4,230,900 kilos, 169,236 bus, Archer, Daniels, Midland Co, Sonnavind, Rosario
3,397,228 kilos, 135,889 bus, Archer, Daniels, Midland Co, East Indian, Buenos Aires
166 bgs, 365 bus, J T Connor, Western World, Buenos Aires
506,797 kilos, 20,271 bus, Western World, Buenos Aires
FLEASEED—230 bgs, 50,600 lbs, Kachurin Drug Co, Excambion, Marseilles
50 bgs, 11,000 lbs, S B Penick & Co, Excambion, Marseilles
50 bgs, Kachurin Drug Co, Estrella, Marseilles
FLOWER WATER—30 pkgs, Lo Curto & Funk, Excambion, Marseilles
7 pkgs, A Chiris Co, Excambion, Marseilles
GAMBIER—70 bgs, E E Androvette, Greystoke Castle, Singapore
GELATIN—1 cs, 88 lbs, Paul Puttmann, New York, Hamburg
1 pkg, S H Pomerance & Co, Ile de France, Havre
POWDERED—10 dms, 1 cs, Rex & Reynolds, Estrella, Marseilles
GENTIAN ROOT—23 bls, J L Hopkins & Co, Birmania, Dubrovnik
19 bls, W T Rawleigh Co, Estrella, Marseilles
GINGER ROOT—64 bgs, Knickerbocker Mills Co, Quirigua, Kingston
GLASS, PLATE—2 cs, Globe Shipping Co, New York, Hamburg
10 cs, Semon Bache & Co, Black Gull, Antwerp
SHEET—1,249 cs, Henri Jaspar, Antwerp
WINDOW—16 cs, Leo Popper & Sons, New York, Hamburg
1,504 cs, Vitrea Co, Washington, Hamburg
25 cs, Bienenfeld Import Co, Washington, Hamburg
6 cs, Kramer & Hauser, Washington, Hamburg
84 cs, National City Bank, Henri Jaspar, Antwerp
36 cs, Semon Bache & Co, Black Gull, Antwerp
GLUE — 85 cs, Rex & Reynolds, Pipestone County, Bordeaux
10 cs, Rohner-Gehrig Co, Bremen, Bremen
BONE — 200 bgs, Irving Herman, Western Prince, Santos
DRY—2 bgs, Roepke & Otto, Bremen, Bremen
GLUESTOCK—643 bls, Robert Maersk, Antwerp
GLYCERIN—80 dms, Estrella, Marseilles
20 dms, Western World, Buenos Aires
46 dms, Armour Soap Works, Extavia, Casablanca
30 dms, Extavia, Casablanca
GREASE WOOL—50 dms, 10 tons, 14 cwt, 2 qtrs, 6 lbs, Samaria, Liverpool
GUM—1 cs, Chicle Development Co, Veragua, Port Limon
BENZOIN—5 cs, 717 lbs, A Chiris Co, Excambion, Marseilles
CHICLE — 17 bls, Chicle Development Co, Quirigua, Kingston
COPAL — 680 bgs, Stroock & Wittenberg, Henri Jaspar, Antwerp
180 bgs, France, Campbell & Darling, Henri Jaspar, Antwerp
100 bgs, O G Innes Corp, Henri Jaspar, Antwerp
35 bgs, G W S Patterson & Co, American Farmer, London
DAMMAR—70 cs, 140 bgs, Stroock & Wittenberg, Greystoke Castle, Singapore
50 cs, W H Scheel, Greystoke Castle, Singapore
210 bgs, Chase National Bank, Greystoke Castle, Singapore
LOCUST BEAN—10 bgs, 2,235 lbs, Stein, Hall & Co, Excambion, Alexandria
50 bgs, 11,363 lbs, Paul A Dunkel & Co, Birmania, Genoa
10 bgs, 2,272 lbs, Birmania, Genoa
NIGER — 96 bgs, Chicle Development Co, Zarembo, Lagos
365 bgs, Chicle Development Co, Zarembo, Harcourt
TRAGACANTH—55 pkgs, 12,038 lbs, Nawi Noonoo & Co, Excambion, Haifa
48 bgs, 1,081 lbs, J Caponya, Excambion, Marseilles
6 cs, American Farmer, London
GYPSUM—3 cks, American Farmer, London
POWDERED—300 bgs, C B Chrystal & Co, Bremen, Bremen
HERBS, MEDICINAL—44 bls, S B Penick & Co, Henri Jaspar, Antwerp
55 bls, Estrella, Marseilles
HOPS—1 bl, B J Schwarz & Son, Washington, Hamburg
2 cs, Rohner-Gehrig & Co, Washington, Hamburg
IRISH MOSS—160 bls, S B Penick & Co, Ile de France, Havre
50 bls, R J Prentiss & Co, Ile de France, Havre
30 bls, Ile de France, Havre
POWDERED—10 bgs, Rohner-Gehrig & Co, Ile de France, Havre
20 bgs, Ile de France, Havre
10 bgs, Paris, Havre
IRON ORE—10 bgs, J G Baragwanath, Veragua, Havana
28 dms, 5 tons, 8 cwt, Reichard-Coulston, Samaria, Liverpool
OXIDE—81 bgs, Brazil Oiticica, Inc, Western Prince, Rio de Janeiro
50 cks, Reichard-Coulston, Volendam, Rotterdam
50 bgs, 2 tons, 5 cwt, 2 qtrs, 4 lbs, Samaria, Liverpool
ISINGLASS—9 cs, Richard Shipping Co, Washington, London
6 cs, Richard Shipping Co, Queen Mary, Southampton
JUNIPER BERRIES—218 bgs, 28,776 lbs, S B Penick & Co, Birmania, Leghorn
KOLA NUTS—100 bgs, D Steengrafe, Quirigua, Kingston
LAVENDER FLOWERS—7 bls, 781 lbs, Excambion, Marseilles
LEAVES, MEDICINAL—6 bls, 2,422 lbs, Excambion, Marseilles
34 bls, Estrella, Marseilles
LITHOPONE — 600 cks, Benj Moore & Co, Volendam, Rotterdam
MACE—18 cs, Volendam, Rotterdam
10 cs, Royal Bank of Canada, Nerissa, Grenada
43 cs, Nerissa, Grenada

MAGNESIA, CARBONATE—100 cs, 7,480 lbs, Maxon & Dixon Truck Line, Birmania, Genoa
95 cs, Schofield-Donald Co, Samaria, Liverpool
HYDRATE—20 cs, Schofield-Donald Co, Samaria, Liverpool
MATE—50 half cks, W R Grace & Co, Alegrete, Santos
MEDICINAL PREPS—5 cs, Burroughs, Wellcome & Co, American Farmer, London
10 cs, Volendam, Rotterdam
MICA—14 cs, Queen Mary, Southampton
13 cs, Eugene Munsell & Co, Western World, Rio de Janeiro
32 cs, Western World, Rio de Janeiro
MOLASSES—8,042 gls, Boston Molasses Co, Seatrain Havana, Havana
MUSTARD SEED—150 bgs, 33,000 lbs, Washington, Hamburg
100 bgs, Van Loan & Co, Volendam, Rotterdam
200 bgs, J M Bacharach, Extavia, Catania
200 bgs, C Gulden, Extavia, Catanica
200 bgs, C Gulden, Extavia, Palermo
500 bgs, Knickerbocker Mills Co, Black Gull, Rotterdam
NAPHTHALENE—1,600 bgs, S M Schwarzschild, Robin Adair, Durban
NUTMEGS—50 bgs, 1 bbl, C T Wilson & Co, Nerissa, Grenada
250 bgs, Royal Bank of Canada, Nerissa, Grenada
736 bgs, Nerissa, Grenada
136 bgs, J F Frank, Lossiebank, Batavia
OCHER—16 cks, 883 bgs, Reichard-Coulston, Excambion, Marseilles
870 bgs, J Lee Smith & Co, Excambion, Marseilles
240 bgs, Landers Segal Color Co, Estrella, Marseilles
54 dms, Robinson-Wagner Co, Estrella, Marseilles
OIL, ALMOND—4 cs, 330 lbs, W T Rawleigh Co, Excambion, Marseilles
25 cs, 2,035 lbs, Excambion, Marseilles
BAY—12 cs, Nerissa, Dominica
BERGAMOT—101 qtr cs, Lo Curto & Funk, Birmania, Messina
CAMPHOR—50 dms, Dodge & Olcott Co, Aobasan, Kobe
1 dm, G Uhe Co, Aobasan, Yokohama
CHINAWOOD—55 tons, Wah Chang Trading Corp, Lossiebank, Hongkong
500 tons, Spencer Kellogg & Sons, Lossiebank, Hongkong
95 tons, Chemical Bank Trust Co, Lossiebank, Hongkong
CITRONELLA—2 dms, Harold A Sothern, Antigua, Puerto Barrios
CLOVES—3 dms, Barber S S Line, American Farmer, London
COCONUT—48 tons, Pacific Vegetable Oil Corp, Aobasan, Cebu
300 tons, Wecoline Product Co, Greystoke Castle, Cebu
25 cs, International Forwarding Co, Bremen, Bremen
340 tons, Philippine Refining Corp, Lossiebank, Manila
306 tons, Lossiebank, Cebu
COD—650 cks, Balfour, Guthrie & Co, Washington, Hamburg
CORN—100 dms, I R Boody & Co, Robert Maersk, London
50 dms, Cameronia, Glasgow
100 cks, Corn Product Refining Co, Birmania, Trieste
81,464 kilos, Black Gull, Rotterdam
50,211 kilos, Black Gull, Antwerp
COTTONSEED—quantity, Western Prince, Santos
275 dms, Benedict, Cabedello
530 dms, Sonnavind, Santos
799,800 kilos, Extavia, Alexandria
ESSENTIAL—2 dms, Antigua, Puerto Barrios
6 pkgs, Excambion, Marseilles
5 cs, Ile de France, Havre
5 cs, American Farmer, London
15 cs, Queen Mary, Southampton
2 cs, Volendam, Rotterdam
6 cs, Paris, Havre
FISH—24 dms, Mitsui & Co, Aobasan, Yokohama
FUEL—50 dms, M W Kellog Co, Estrella, Marseilles
112,000 bbls, Standard Oil Co of N J, Marguerite Finaly, Aruba
GERANIUM—2 dms, Lo Curto & Funk, Estrella, Marseilles
1 dm, Estrella, Marseilles
LAVENDER—1 dm, Tombarel Product Corp, Excambion, Marseilles
LEMON—20 qtr cs, Orbis Product Corp, Birmania, Messina
75 qtr cs, Ungerer & Co, Birmania, Messina
50 qtr cs, Lo Curto & Funk, Birmania, Messina
10 qtr cs, Dodge & Olcott Co, Extavia, Messina
2 qtr cs, Ungerer & Co, Extavia, Messina
25 cs, Roma, Messina
LIME—6 dms, Dodge & Olcott Co, Western World, Trinidad
31 cs, Gillespie & Co, Quirigua, Kingston
LUBRICATING—40 cs, N Y & N J Oil Co, Cameronia, Glasgow
MINERAL — 200 dms, 93,097 lbs, Heemsoth-Kerner Corp, New York, Hamburg
20 dms, New York, Hamburg
20 dms, Meadows Wye Co, American Farmer, London
OITICICA—3 cs, J H Redding, Western Prince, Rio Janeiro
110 dms, Benedict, Ceara
50 dms, Bank of Manhattan, Bendict, Ceara
23 dms, Benedict, Ceara
178 dms, Chase Natl Bank, Benedict, Ceara
1 pkg, J H Redding, Benedict, Ceara
70 dms, Sonnavind, Fortaleza
OLIVE—200 dms, Mawer-Gulden-Annis, Excambion, Piraeus
25 dms, Uddo Taormina, Excambion, Piraeus
50 dms, Agros Mikolaos, Excambion, Piraeus
225 dms, Bank of Athens, Excambion, Piraeus
150 dms, Leghorn Trading Co, Excambion, Piraeus
450 dms, Smith Wehmann Co, Excambion, Piraeus
25 dms, Andrew Makus & Bro, Excambion, Piraeus
50 dms, Agash Refg Corp, Excambion, Piraeus
50 dms, J Osola Co, Excambion, Piraeus

OIL, OLIVE—75 dms, Bank of Greece, Excambion, Piraeus
25 dms, Moosalina Prod Corp, Excambion, Piraeus
100 cs, Excambion, Piraeus
30 dms, Ionian Bank, Excambion, Piraeus
10 dms, J Patrelis, Excambion, Piraeus
265 cs, Excambion, Leghorn
3,755 cs, Excambion, Genoa
25 dms, Pastene & Co, Excambion, Genoa
100 dms, Strohmeyer & Arpe Co, Excambion, Genoa
25 dms, B Dorman, Excambion, Genoa
100 dms, Ungerer & Co, Excambion, Genoa
25 dms, J Uddo & Co, Excambion, Genoa
50 dms, Antonio Corrao, Excambion, Genoa
50 dms, Atlantic & Pacific Tea Co, Excambion, Genoa
25 dms, Banca Comi Italian Trust Co, Excambion, Marseilles
125 dms, Lekas & Drivas, Excambion, Marseilles
50 dms, R U Delapenha & Co, Excambion, Marseilles
100 dms, Bank of Manhattan, Excambion, Marseilles
25 dms, 250 cs, Excambion, Marseilles
50 dms, Magnus, Mabee & Reynard, Pipestone County, Bordeaux
1,961 cs, Birmania, Leghorn
50 dms, Schroeder Bros, Birmania, Genoa
1,825 cs, Birmania, Genoa
600 dms, Birmania, Seville
50 dms, R U Delaphena, Estrella, Marseilles
50 dms, Magnus, Mabee & Reynard, Estrella, Nice
25 dms, La Manna, Azena & Farnan, Estrella, Nice
25 dms, Estrella, Nice
56 dms, Estrella, Lisbon
27 cs, Extavia, Catania
32 cs, Extavia, Palermo
100 dms, W A Taylor & Co, Extavia, Tunis
38 cs, Roma, Naples
2,765 cs, Roma, Genoa
ORANGE—4 dms, Egari, Freetown
PALM—568 dms, Balfour, Guthrie & Co, New York, Hamburg
45 dms, I R Boody & Co, Rotterdam, Rotterdam
25 dms, I R Boody & Co, Volendam, Rotterdam
25 dms, Welch Holme & Clark, Samaria, Liverpool
60 dms, Balfour, Guthrie & Co, Zarembo, Harcourt
PEANUT — 10 dms, Lamont Corliss & Co, Rotterdam, Rotterdam
25 dms, I R Boody & Co, Volendam, Rotterdam
POPPYSEED—5 dms, Fezandie & Sperrie, Volendam, Rotterdam
ROSEWOOD—16 dms, G Uhe Co, Benedict, Manaos
13 dms, Benedict, Manaos
SESAME—35 dms, I R Boody & Co, Volendam, Rotterdam
SYNTHETIC—20 cs, Lo Curto & Funk, Robert Maersk, Rotterdam
VEGETABLE—2 cks, Heemsoth-Kernor Corp, Black Hawk, Rotterdam
YLANG YLANG—6 dms, 748 lbs, Fritzsche Bros, Excambion, Marseilles
ORANGE PEEL—26 bgs, 2,384 lbs, Excambion, Marseilles
PALM KERNELS—1,000 bgs, Greystoke Castle, Asaham
901 bgs, Greystoke Castle, Poetih
1,486 bgs, Greystoke Castle, Peneh
PAPAIN—20 cs, S B Penick & Co, American Farmer, London
20 cs, Chase National Bank, American Farmer, London
PAPRIKA—200 bgs, New York, Hamburg
25 bgs, J Raphael & Son, Washington, Hamburg
20 bgs Central Hanover Bank, Washington, Hamburg
200 bgs, Avery F Payne Co, Washington, Hamburg
102 bgs, Continental Spice Co, Washington, Hamburg
PARAFFIN — 1 cs, Akatos, Inc, New York, Hamburg
PEATMOSS—600 bls, New York, Hamburg
8 okgs, Premier Peatmoss Corp, Scanmail, Copenhagen
PEPPER—15 bgs, American Farmer, London
BLACK—225 bgs, Greystoke Castle, Oosthaven
1,750 bgs, Lossiebank, Oosthaven
WHITE—250 bgs, Irving Trust Co, Lossiebank, Batavia
172 bgs, Catz American Co, Lossiebank, Singapore
PETROLEUM, CRUDE—63,000 bbls, Standard Oil Co of N J, P H Harwood, Aruba
POPPYSEED—100 bgs, 11,000 lbs, R L Friedler, Rotterdam, Rotterdam
100 bgs, 11,000 lbs, M Witsenburg, Rotterdam, Rotterdam
100 bgs, 11,000 lbs, M Witsenburg, Volendam, Rotterdam
POTASH, CHLORATE POWD—1,000 dms, 239,800 lbs, Uniform Chem Product, New York, Hamburg
180 bbls, Charles Hardy, Henri Jaspar, Antwerp
METASULPHITE — 60 dms, International Selling Corp, Estrella, Marseilles
SULPHOCYANIDE—23 kgs, 2 tons, 7 cwt, 11 lbs, Samaria, Liverpool
PROTECTOL—9 cks, 2,673 lbs, General Aniline Works, New York, Hamburg
PYRETHRUM FLOWERS—75 bls, R J Prentiss & Co, Aobasan, Kobe
75 bls, Mitsui & Co, Aobasan, Kobe
QUEBRACHO EXTRACT—500 bgs, Tannin Corp, Western World, Buenos Aires
1,725 bgs, International Product Corp, Western World, Buenos Aires
QUICKSILVER—30 flasks, Siboney, Vera Cruz
QUINCE SEED—39 bgs, E Meer & Co, American Farmer, London
RADIUM—1 cs, Radium Chem Co, Henri Jaspar, Antwerp
RAPESEED—110 bgs, Wagner Bros Feed Co, Washington, Hamburg
100 bgs, Wagner Bros Feed Co, Rotterdam, Rotterdam
50 bgs, F Van Damm, Rotterdam, Rotterdam
50 bgs, F Van Damm, Volendam, Rotterdam
100 bgs, Paul Hirsch Co, Volendam, Rotterdam
436 bgs, J T Connor, Western World, Buenos Aires
RICE FLOUR—100 bgs, Halfmoon Mfg & Trading Co, Rotterdam, Rotterdam
ROOT, MEDICINAL—228 bls, 39,144 lbs, Excambion, Marseilles
20 bls, Fred D Keller, Robert Maersk, Antwerp
ROSE LEAVES—17 bgs, Extavia, Casablanca
RUBBER, SYNTH—84 cardboards, Advance Solvents & Chem Co, Volendam, Rotterdam
SAFFRON, SPANISH—6 cs, S B Penick & Co, Henri Jaspar, Antwerp
SAGO FLOUR — 367 bgs, Greystoke Castle, Singapore
3,200 bgs, W R Grace & Co, Lossiebank, Singapore
SAPUCAYA NUTS—31 bgs, General Food Corp, Sonnavind, Maranhao
SAWDUST—639 bgs, State Chem Co, Rotterdam, Rotterdam
SCOURING RUSH—1 bg, 134 lbs, J L Hopkins & Co, New York, Hamburg
SENNA PODS—5 cs, J L Hopkins & Co, Paris, Southampton

SHELLAC—20 cs, A Hurst & Co, New York, Hamburg
400 bgs, A Hurst & Co, Black Gull, Antwerp
SIENNA—30 bgs, 6,600 lbs, First National Bank, Birmania, Leghorn
SILVER SULPHIDE — 70 bgs, Santa Inez, Antofagasta
SOAP—200 cs, 7,851 lbs, Conti Prod Corp, Excambion, Leghorn
8 cs, R F Downing & Co, Queen Mary, Southampton
13 cs, H Bendel, Paris, Havre
SODA ACETATE — 1 cs, 294 lbs, Eimer & Amend, Washington, Hamburg
BISULPHITE — 18 cks, 12,106 lbs, Philip Bauer Co, Black Gull, Antwerp
CARBONATE MONOHYDRATE—10 dms, 1 ton 1 cwt, 18 lbs, Samaria, Liverpool
CYANIDE—250 cks, 660 cyls, Charles Hardy, Ile de France, Havre
HYDROSULPHITE—40 dms, 9,504 lbs, New York, Hamburg
11 dms, General Dyestuff Corp, Rotterdam, Rotterdam
SILICOFLUORIDE—40 bbls, 11,880 lbs, Hammel Chem Co, New York, Hamburg
SPONGES—7 bls, Veragua, Havana
SQUILL—100 bgs, 11,000 lbs, Extavia, Catania
26 bgs, J L Hopkins & Co, Excambion, Marseilles
STARCH, POTATO—1 bg, Penson Corp, Rotterdam, Rotterdam
50 bgs, Whittaker, Clark & Daniels, Volendam, Rotterdam
TALC—400 bgs, 88,000 lbs, C B Chrystal & Co, Pipestone County, Bordeaux
900 bgs, 198,000 lbs, L A Salomon & Bros, Pipestone County, Bordeaux
1,150 bgs, 223,575 lbs, Whittaker, Clark & Daniels, Pipestone County, Bordeaux
55 cs, 7,176 lbs, Binney & Smith Co, Pipestone County, Bordeaux
200 bgs, 44,000 lbs, Charles Mathieu, Birmania, Leghorn
1,000 bgs, 210,485 lbs, Charles Mathieu, Birmania, Genoa
TALLOW—50 dms, Gillespie & Co, Western World, Buenis Aires
VEGETABLE—10 cs, Th Goldschmidt Corp, Volendam, Rotterdam
TAMARINDS—60 bbls, Nerissa, Antigua
TANKAGE—372 bgs, Western Prince, Montevideo
508 bgs, Sonnavind, Santos
1,016 bgs, Alegrete, Rio de Janeiro
2,000 bgs, Alegrete, Santos
TANNING EXTRACT—100 cs, Franklin Import & Export Co, Robert Maersk, Antwerp
TAPIOCA FLOUR—107 bgs, Stein, Hall & Co, Greystoke Castle, Batavia
550 bgs, Chase National Bank, Greystoke Castle, Cheribon
2,983 bgs, Stein, Hall & Co, Greystoke Castle, Cheribon
560 bgs, Chase National Bank, Lossiebank, Pasoeroean
560 bgs, Guaranty Trust Co, Lossiebank, Pasoeroean
1,500 bgs, Stein, Hall & Co, Lossiebank, Cheribon
250 bgs, Chase National Bank, Lossiebank, Cheribon
1,000 bgs, Stein, Hall & Co, Lossiebank, Batavia
TARTAR—508 bgs, Standard Brands, Excambion, Marseilles
748 bgs, Charles Pfizer & Co, Excambion, Marseilles
4,470 bgs, Charles Pfizer & Co, Estrella, Marseilles
625 bgs, Charles Pfizer & Co, Extavia, Messina
121 bgs, Charles Pfizer & Co, Extavia, Tunis
TERPENYL ACETATE—1 dm, Magnus, Mabee & Reynard, Aobasan, Kobe
THYME LEAVES—31 bls, 5,280 lbs, Seeck & Kade, Excambion, Marseilles
60 bls, Seeck & Kade, Estrella, Marseilles
TIMBO ROOT—100 bls, W R Grace & Co, Benedict, Manaos
POWD—515 cs, Benedict, Para
TOILET PREPS—2 cs, R F Downing & Co, Queen Mary, Southampton
TONKA BEANS—19 bbls, Guaranty Trust Co, Benedict, Para
40 bbls, Benedict, Para
1 cs, Benedict, Camocim
13 cks, Western World, Trinidad
TUBA ROOT—96 bgs, S B Penick & Co, Lossiebank, Singapore
TUCUM KERNELS—400 bgs, General Food Corp, Sonnavind, Maranhao
TUNGSTEN, OXIDE—1 ck, 121 lbs, New York, Hamburg
TURMERIC—194 bgs, Barber S S Line, American Farmer, London
VANADIUM—4,800 bgs, Vanadium Corp, Santa Inez, Callao
VANILLA BEANS—11 cs, Thurston & Braidich, Excambion, Marseilles
51 cs, Dodge & Olcott Co, Excambion, Marseilles
39 cs, Excambion, Marseilles
21 cs, Guaranty Trust Co, Excambion, Marseilles
25 cs, Marine Midland Trust Co, Excambion, Marseilles
33 cs, Integrity Trust Co, Excambion, Marseilles
10 cs, Frank Tea & Spice Co, Excambion, Marseilles
6 cs, Chase National Bank, Ile de France, Havre
13 cs, Lo Curto & Funk, Estrella, Marseilles
WATER, MINERAL—22 cs, H S Dorf & Co, Washington, Hamburg
100 cs, H A Graziano, Birmania, Genoa
900 cs, E & J Burke, Estrella, Marseilles
335 cs, D F Young, American Farmer, London
200 cs, American Agency French Vichy, Paris, Havre
WAX, BEES—29 pkgs, 6,391 lbs, Van Oppen & Co, Excambion, Alexandria
42 pkgs, 11,530 lbs, W R Grace & Co, Excambion, Alexandria
23 bgs, 7,961 lbs, Excambion, Alexandria
80 bgs, Wessel Duval & Co, Western Prince, Santos
114 bls, Egori, Freetown
475 bgs, Alegrete, Rio de Janeiro
CARNAUBA—125 bgs, Innis, Speiden & Co, Benedict, Para
17 bgs, Strohmeyer & Arpe Co, Benedict, Para
57 bgs, Benedict, Camocin
56 bgs, Chase National Bank, Sonnavind, Fortaleza
56 bgs, Strohmeyer & Arpe Co, Sonnavind, Fortaleza
11 bgs, Guaranty Trust Co, Sonnavind, Fortaleza
62 bgs, Sonnavind, Fortaleza
84 bgs, Strohmeyer & Arpe Co, Rio Verde, Bahia
87 bgs, Smith & Nichols, Alegrete, Rio de Janeiro
LIQUID—12 ctns, A S Boyle & Co, Fort Townshend, St John's
MONTAN—375 bgs, 37,750 lbs, Strohmeyer & Arpe Co, New York, Hamburg
6 bgs, General Dyestuff Corp, Rotterdam, Rotterdam
6 bgs, General Dyestuff Corp, Volendam, Rotterdam
REFINED—847 bgs, Standard Oil Co of N J, Lossiebank, Batavia
SYNTHETIC—3 bgs, General Dyestuff Corp, Volendam, Rotterdam
VEGETABLE—50 bgs, A Hurst & Co, Cameronia, Glasgow

WOLFRAM ORE—169 bgs, W R Grace & Co, Santa Inez, Mollendo
WOODFLOUR—400 bgs, State Chem Co, Rotterdam, Rotterdam
YEAST—40 bbls, 528 lbs, New York, Hamburg
110 bbls, Vulkan Yeast Co, New York, Hamburg
20 bbls, Bal Co, Pilsudski, Gdynia
ZINC OXIDE — 4 bgs, 402 lbs, Pilsudski, Gdynia
50 cks, 13,530 lbs, State Chem Co, Scanmail, Gdynia
70 bbls, 18,480 lbs, Innis, Speiden & Co, Black Gull, Antwerp

New York Transit Imports

BLANC FIXE—40 cks, Eastman Kodak Co, Volendam, Rotterdam, Rochester
COLORS—1 cs, Rohner, Gehrig & Co, Paris, Havre, Rochester
CORIANDER SEED—100 bgs, Jewett & Sherman, Extavia, Casablanca, Milwaukee
DIACETYL—2 cs, Lucidol Corp, Rotterdam, Rotterdam, Buffalo
FILTER PAPER—1 cs, J J Murphy & Co, American Farmer, London, Rochester
GELATIN—2 cs, American Express Co, Bremen, Bremen, Rochester
MUSTARD SEED—200 bgs, Plochman & Harrison, Rotterdam, Rotterdam, Chicago
OIL, OLIVE—75 dms, Deligiannis Bros, Excambion, Piraeus, Chicago
PAPAIN—179 cs, American Ferment Co, Lossiebank, Colombo, Buffalo
PAPRIKA—100 bgs, R T French Co, Washington, Hamburg, Rochester
SPONGES—2 bls, Oriente, Havana, Paris
8 bls, Oriente, Havana, Chicago
8 bls, Oriente, Havana, London
17 bls, Siboney, Havana
REFUSE—6 bls, Oriente, Havre, London
12 bls, Siboney, Havana, Detroit

Baltimore Imports

ALUMINUM & BRONZE POWDER—13 cs, Crown City, Hamburg
ASBESTOS—5,602 bgs, Nicolai Ejov, Leningrad
CHEMICALS—200 bgs, 62 dms, Black Eagle, Antwerp
20 cks, McKeesport, Hamburg
250 cks, McKeesport, Bremen
480 bgs, Lehigh, Glasgow
CHROME ORE—1,154 tons, West Isleta, Lourenco Marques
CLAY, RAW—20 cks, McKeesport, Bremen
FERROMANGANESE—125 dms, Crown City, Havre
GLYCERIN, CRUDE SAPONIFICATION—526 dms, Nicolai Ejov, Leningrad
IRON ORE—21,200 tons, Bethlehem Steel Co, Bethore, Cruz Grande
10,500 tons, Bethlehem Steel Co, Cubore, Daiquiri
MANGANESE ORE—8,250 tons, Vernon City, Poti
OIL, COCONUT—253 tons, Steel Navigator, Manila
CODLIVER—35 dms, Crown City, Hamburg
FUEL—62,000 bbls, Standard Oil Co, N J, Geo W McKnight, Aruba
PEATMOSS—2,805 bls, McKeesport, Bremen
200 bls, McKeesport, Hamburg
300 bls, Crown City, Hamburg
PETROLEUM, CRUDE—64,382 bbls, Pan Amer Refg Corp, W Strachan, Las Piedras
REFINED—50 dms, McKeesport, Hamburg
POTASH, CHLORATE—50 dms, Black Eagle, Antwerp
SODA SILICOFLUORIDE—80 bbls, McKeesport, Bremen
WOOL, GREASE—10 bbls, Lehigh, Liverpool

Boston Imports

ACID, CRESYLIC—50 dms, 11 tons, 14 cwts, 3 qtrs, Laconia, Liverpool
STEARIC—30 triple bgs, 2 tons, 6 cwts, 2 qtrs, 5 lbs, Laconia, Liverpool
ALUMINUM—3,511 bdls, International Selling Corp, Tana, Bergen
BARYTES—300 bgs, 33,039 lbs, Stanley Doggett, Excambion, Genoa
397 bgs, 39,683 lbs, Wishnick-Tumpeer, Birmania, Genoa
BONE MEAL—2,000 bgs, 202,840 lbs, Capillo, Buenos Aires
BRONZE POWDER—5 cs, Trans Seas Shipping Co, Konigsberg, Bremen
CAROB FLOUR—10 cks, 2,535 lbs, Excambion, Marseilles
CHEMICALS—20 cks, 7,297 lbs, Innis, Speiden Co, Konigsberg, Hamburg
15 cks, 11,688 lbs, Innis, Speiden Co, Konigsberg, Hamburg
COCOA BEANS—1,000 bgs, 132,276 lbs, Guaranty Trust Co, Fredhem, Ilheos
4,500 bgs, 595,242 lbs, Fredhem, Ilheos
FAT, VEGETABLE—3 cs, 1 cwt, 2 qtrs, 25 lbs, Procter & Gamble Co, Laconia, Liverpool
FERROMANGANESE—50 tons, Frank Samuel & Co, Tana, Porsgrunn
FERTILIZER—680,119 lbs, Konigsberg, Bremen
FISH LIVERS—1 cs, Atwood & Co, Saint John, Yarmouth
1 cs, H M Crocker, Saint John, Yarmouth
1 bx, Dench & Hardy, Saint John, Yarmouth
1 bx, John Nagle, Yarmouth, St John, N B
1 bx, John Nagle, Yarmouth, Yarmouth, N S
8 cs, L C Hewson, O K Service II, North Sydney, N S
1 cs, John Nagle, O K Service II, North Sydney, N S
2 cs, O K Service II, North Sydney, N S
1 cs, Atwood & Co, Yarmouth, St John, N B
GAMBIER—140 bgs, E E Androvette, Greystoke Castle, Singapore
GLASS, FLATE—1 cs, American Express Co, Konigsberg, Hamburg
GLUESTOCK, BONES—861,249 lbs, Capillo, Rio Grande
FISH—208 bgs, Russia Cement Co, Evangeline, Yarmouth
3 bxs, J R Poole, Saint John, Yarmouth
1 bx, J R Poole, Yarmouth, Yarmouth
36,003 lbs, Rogers Isinglass & Glue Co, O K Service II, North Sydney, N S
GUM, INDUSTRIAL—50 cks, 12 tons, 6 cwt, 3 qtrs, J P Marston Co, Laconia, Liverpool
LOCUST BEAN—25 bgs, 5,692 lbs, Birmania, Genoa
GYPSUM—4,600 tons, U S Gypsum Co, Gypsum Empress, Windsor, N S
INK, PRINTING—1 cs, 397 lbs, Adona Co, Konigsberg, Hamburg
OCHER—30 csks, 130 bgs, 25,007 lbs, Reichard Coulston, Excambion, Marseilles
20 csks, 12,084 lbs, Excambion, Marseilles
OIL, COD—10 dms, Tana, Bergen
CODLIVER — 100 bbls, Tailby-Nason Co, Tana, Bergen
EDIBLE—38 cs, 1 ton, 7 cwt, 3 qtrs, 8 lbs, American Express Co, Laconia, Liverpool
FISH—110 cs, 2,844 lbs, Birmania, Genoa
FUEL—36,000 bbls, 1,512,000 gls, Colonial Beacon Oil Co, Petter II, Aruba
OLIVE—200 dms, First National Bank, Maria, Algiers
100 dms, Philadelphia National Bank, Maria, Algiers
75 dms, Leghorn Trading Co, Inc, Maria, Algiers
70 cs, 8,487 lbs, Birmania, Genoa
275 cs, 11,993 lbs, Excambion, Genoa
100 cs, 6,911 lbs, Excambion, Marseilles

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OIL, PALM—1 dm, Bank of Nova Scotia, Laconia, Liverpool
PEATMOSS—5,032 bgs, T D Downing Co, Koenigsberg, Bremen
1,110 bls, Koenigsberg, Bremen
950 bls, L E Fae, Koenigsberg, Bremen
PEBBLES—363 bgs, 56,019 lbs, Buebendorf Bros, Collamer, Havre
180 bgs, 40,318 lbs, John W Higman Co, Koenigsberg, Hamburg
PEPPER, RED—25 bgs, 2,844 lbs, Stone & Downer, Koenigsberg, Hamburg
PETROLEUM, CRUDE — 29,210 bbls, 4,399 tons, Colonial Beacon Oil Co, Petter II, Las Piedras
POTASH, CHLORATE—550 dms, 132,166 lbs, J Henry Schroeder Banking Corp, Konigsberg, Hamburg
QUEBRACHO EXTRACT—3,142 bgs, 337,990 lbs, Tannin Corp, Capillo, Buenos Aires
1,300 bgs, 125,764 lbs, International Products Corp, Capillo, Buenos Aires
SAND—100 csk, 66,138 lbs, Whitehead Bros, Collamer, Havre
SILICON CARBIDE—41 csk, American Abrasive Co, Tana, Stavanger
TALC—200 bgs, 44,092 lbs, L A Salomon & Bros, Collamer, Havre
200 bgs, 44,092 lbs, Charles Mathieu, Birmania, Genoa
TANKAGE—1,016 bgs, 111,995 lbs, Charles Hollinshed Co, Capillo, Montevideo
TAPIOCA FLOUR—1,103 bgs, General Foods Corp, Lossiebank, Pasoeroean
WATER, MINERAL—25 cs, S S Pierce Co, Laconia, Liverpool
80 cs, 18,078 lbs, S S Pierce Co, Collamer, Havre
WAX, BEES—1 cs, B B Chemical Co, Laconia, Liverpool

Everett Imports

CHINA CLAY—497 tons, Balfour, Guthrie & Co, San Antonio, Fowey

Houston Imports

ACID, CRESYLIC—24 dms, Antverpia, Antwerp
BONE MEAL—3,500 bgs, Delsud, Buenos Aires
CHEMICALS—60 dms, Endicott, Rotterdam
GASOLINE—79,095 bbls, Myriam, Tampico
OIL, CREOSOTE—50 dms, Breedijk, Rotterdam
MINERAL—10 dms, Kiel, Hamburg
PETROLEUM, CRUDE — 99,994 bbls, Athos Tampico
WATER, MINERAL—95 cs, Endicott, Rotterdam

Los Angeles Imports

AMMONIA, PHOSPHATE—1,700 bgs, 170,240 lbs, Kingsley, Trail
SULPHATE—1,900 bgs, 199,360 lbs, Kingsley, Trail
ANTIMONY ORE—85,000 lbs, from Mexico
BONE MEAL—1,103 bgs, 112,000 lbs, Delftdijk, Munich
PHOSPHATE—4,400 bgs, 440,000 lbs, Cape Horn, Brussels
CALCIUM ARSENATE—500 dms, 50,000 lbs, Kimikawa, Kobe
CARAWAY SEED—100 bgs, 10,900 lbs, Delftdijk, Holland
CHEMICAL COMPOUND—200 cs, 18,700 lbs, San Pedro, Basel
SALT—2,010 lbs, Yamagiri, Tokyo
CHILLIES—2,500 lbs, Kiyokawa, Kobe
50 bgs, 5,000 lbs, Kirishima, Kobe
COALTAR PROD—10 lbs, Tokai, Yokohama
COCONUTS—26 bgs, 3,530 lbs, San Pedro, Cristobal
COPRA—5,600,000 lbs, Hopecrest, P I
3,443,820 lbs, Hopecrest, Manila
2,912,000 lbs, Mindanao, Manila
MEAL—13,700 lbs, Hopecrest, Manila
11,200 bgs, 1,120,000 lbs, Hopecrest, Manila
DRUGS, CRUDE—1,840 lbs, President Cleveland, Hongkong
FERTILIZER—800 bgs, 100,000 lbs, Delftdijk, Utrecht
FISH LIVERS, FROZEN—46,270 lbs, Yamagiri, Yokohama
4,880 lbs, Kiyokawa, Japan
MEAL—1,429 bgs, 152,320 lbs, Mazatlan, Mazatlan
GLASS, PLATE—23 cs, 51,020 lbs, Cape Horn, Brussels
WINDOW—31,480 lbs, San Pedro, Brussels
MAGNESIA CARBONATE—2,100 lbs, Pacific Reliance, Newcastle, Tyne
MARMITE EXTRACT—2,240 lbs, From London
MEDICINAL PREPS—310 lbs, Tokai, Yokohama
1,830 lbs, Delftdijk, London
340 lbs, Yamagiri, Yokohama
MUSTARD, PREPD—6,580 lbs, Delftdijk, London
NUTMEGS, UNGROUND—4,370 lbs, Djambi, Macassar
OIL, OLIVE—40 dms, 17,740 lbs, Cellina, Genoa
25 dms, 11,020 lbs, Cellina, Marseilles
125 pkgs, 20,930 lbs, Cellina, Leghorn
PEANUT—70 lbs, Yamagiri, Yokohama
TEASEED—500 dms, 205,000 lbs, Hopecrest, Hongkong
YLANG YLANG—640 lbs, San Pedro, Paris
PEATMOSS—268 bls, 17,500 lbs, From Toronto
PEPPER, GROUND—3 lbs, Arimasan, Kobe
PERFUMERY—5 lbs, From Paris
POPPYSEED—25 bgs, 2,730 lbs, Delftdijk, Holland
RICE FLOUR—550 lbs, Yamagiri, Yokohama
80 lbs, Yamagiri, Kobe
SALTPETER—21 cks, 11,570 lbs, Oakland, Hamburg
SEAWEEDS—530 lbs, Yamagiri, Yokohama
710 lbs, Yamagiri, Kobe
890 lbs, Arimasan, Kobe
SODA CYANIDE—300 pkgs, 112,000 lbs, Delftdijk, France
1,090 lbs, San Pedro, Paris
STARCHES—150 lbs, Kimikawa, Yokohama
150 lbs, Yamagiri, Yokohama
TURMERIC, POWD—2,240 lbs, Chichibu, Tokyo
TOILET PREPS—370 lbs, Tokai, Yokohama
210 lbs, Aobasan, Tokyo
ZINC OXIDE—60 bbls, 6,610 lbs, San Pedro, Antwerp

Mobile Imports

BAUXITE ORE, CRUSHED AND DRIED—2,960 tons, Blink, Paramaribo

New Orleans Imports

BAUXITE ORE—2,370 tons, Aluminum Ore Co, Dalvangen, Paramaribo
172 tons, Aluminum Ore Co, Dalvangen, Port of Spain
BLUE VITRIOL—20,000 sks, Blommersdijk, Antwerp
COCOA BEANS—600 sks, Fruit Dispatch Co, Sigaola, Bocas del Toro
CHEMICALS—110 sks, Blommersdijk, Rotterdam
92 bbls, Blommersdijk, Rotterdam
COCONUTS—140 sks, W R Grace & Co, Port Antonio, Kingston
GLASS, WINDOW—76 cs, Blommersdijk, Antwerp
OCHER—1,000 paper sks, George Wm Rueff, Istria, Marseilles
OIL, LUBRICATING—60 dms, Blommersdijk, Antwerp
OLIVE—10 cs, Sixaola, Cristobal
25 cs, Livenza, Trieste
60 dms, Mercantile Commercial Bank Trust Co, Istria, Marseilles
30 cs, 35 bbls, Istria, Marseilles
PEATMOSS—310 bls, Marine Midland Trust Co, Blommersdijk, Rotterdam
SAND, FURNACE—600 sks, Blommersdijk, Rotterdam
WATER, MINERAL — 18 cs, J Patorno, Blommersdijk, Rotterdam

Norfolk Imports

AMMONIA, SULPHATE—1,087 tons, Fertilizer Industries, Bradley & Baker, N Y, Edam, Rotterdam
BLOOD, GRD—5,556 bgs, 551,183 lbs, Ashcraft Wilkinson & Co, Coldbrook, Buenos Aires
1,459 bgs, 213,860 lbs, Swift & Co, Coldbrook, Buenos Aires
5,113 bgs, 556,369 lbs, Coldbrook, Buenos Aires
1,000 bgs, 44 tons, Coldbrook, Santos
BONES—2,667 bgs, 306,324 lbs, Chas Hollinshed Co, N Y, Coldbrook, Montevideo
1,178 bgs, 110,034 lbs, Coldbrook, Buenos Aires
CHALK—310 bgs, 13 tons, Crown City, London
CHEMICALS—100 dms, 4 tons, Philip Bauer Co, N Y, Black Eagle, Rotterdam
COLORS, PRINTING—7 cs, Crown City, Hamburg
FERTILIZER, NITROGENOUS — 3,647 bgs, 250,021 lbs, H J Baker & Bros, Black Eagle, Rotterdam
IRON, OXIDE—223 bgs, 5 tons, 7 cwts, 2 qtrs, 6 lbs, Lehigh, Liverpool
OIL, COD—278 dms, Upjohn Co, Kalamazoo, Mich, Crown City, Hamburg
FUEL—50,000 bbls, Standard Oil Co of N J, Geo W McKnight, Aruba
QUEBRACHO EXTRACT—2,025 bgs, 220,614 lbs, American Tanners, Cold Brook, Buenos Aires
16,250 bgs, 1,776,013 lbs, International Products Corp, Cold Brook, Buenos Aires
11,688 bgs, 1,245,977 lbs, Tannin Corp, Cold Brook, Buenos Aires
STARCH, CHEMICALLY TREATED—50 bgs, Maasdam, Rotterdam
TANKAGE, GRD—1,078 bgs, 210,237 lbs, Jos C Jett, Coldbrook, Buenos Aires
PRESSED—429 cks, 4 bgs, 121,253 lbs, H J Baker & Bros, Coldbrook, Buenos Aires
TAPIOCA FLOUR—2,189 bgs, National City Bank of N Y, Tabinta, Sourabaya
370 bgs, Philadelphia National Bank, Tabinta, Cheribon

Philadelphia Imports

ACID, CRESYLIC—25 dms, Artigas, Manchester
CHEMICALS—100 csks, 300 bgs, Advance Solvents & Chemical Co, Edam, Rotterdam
CHINA CLAY—861 tons, 1 cwt, Moore & Munger, Toronto City, Fowey
2,000 tons, 19 cwt, English China Clay Sales Corp, Toronto City, Fowey
STONE, GRD—42 tons, 3 cwt, English China Clay Sales Corp, Toronto City, Fowey
CHROME ORE—2,504 tons, 18 cwt, 24 lbs, E J Lavino & Co, West Isleta, Beira
CLEANSER "D"—15 dms, Wm J Jones & Co, Edam, Rotterdam
CLAY, BALL—40 tons, English China Clay Sales Corp, Toronto City, Fowey
BLUE—310 tons, Moore & Munger, Toronto City, Fowey
60 tons, Toronto City, Bristol
COCOA BEANS—3,500 bgs, Jaboatao, Bahia
CORK FLOATS—39 bls, Exchester, Djidjelli
WASTE—3,290 bls, Armstrong Cork Co, Exchester, Bona
2,874 bls, Armstrong Cork Co, Exchester, Bona
187 bls, Chase National Bank, Exchester, Bona
5 bls, Armstrong Cork Co, Exchester, Bona
WOOD—633 bls, Armstrong Cork Co, Examiner, Seville
317 bls, Armstrong Cork Co, Exchester, Djidjelli
FERROMANGANESE—203,200 kilos, Scanpenn, Gothenburg
GLASS, WINDOW—87 cs, McKeesport, Hamburg
GYPSUM, CRUDE—5,900 tons, United States Gypsum Co, Gypsum Queen, Windsor
5,900 tons, United States Gypsum Co, Gypsum Prince, Windsor
IRON ORE, CHOME BEARING—5,000 tons, Vanadium Corp, Snestad, Sabang
FLAXSEED—2,496 bgs, Louis Dreyfus & Co, Mormacstar, Santa Fe
MACE—14 cs, Adrastus, Sourabaya
MANGANESE CHLORIDE—16 csks, Artigas, Glasgow
MOLASSES—400,000 gls, Cassimir, Guayabal
988,582 gls, Cassimir, Cienfuegos
4 cs, samples, Cassimir, Cienfuegos
473,540 gls, Emmy Friederich, Casilda
650,000 gls, Emmy Friederich, Manzanillo
NUTMEGS—50 bgs, Adrastus, Batavia
OIL, CODLIVER—50 dms, McKeesport, Hamburg
COTTONSEED—534 dms, Mormacstar, Santos
CORN—132 dms, McKeesport, Hull
FUEL—2,845,261 gls, Socony Vacuum Oil Co, Dean Emery, Aruba
LUBRICATING, SOLID—40 cs, H N Hill & Co, Artigas, Glasgow
PARAFFIN—1 bx, Atlantic Refining Co, West Isleta, Capetown
PEATMOSS—850 bls, Premier Peatmoss Corp, Edam, Rotterdam
3 bls, M Rinow, Scanpenn, Gothenburg
SODA NITRATE—453,600 kilos, Chilean Nitrate Corp, Matros, Tocopilla
19,918 bgs, Chilean Nitrate Corp, Matros, Tocopilla
STARCH, POTATO—250 bgs, Stein, Hall & Co, Edam, Rotterdam
SUMAC EXTRACT—3 csks, American Dyewood, Artigas, Glasgow
TAPIOCA FLAKE DUST—133 bgs, National City Bank, Adrastus, Sourabaya

Port Arthur Imports

TALLOW—200 bbls, Herbrand, Buenos Aires

Portland, Ore., Imports

CALCIUM CHLORIDE—60 dms, Heina, Antwerp
GLASS, WINDOW—495 cs, U S National Bank, San Antonio, Antwerp
OIL, LUBRICATING—20 dms, Oregon Marine Supply Co, Oakland, Hamburg
SODA CHLORATE—1,500 dms, W J Byrnes & Co, Oakland, Hamburg
1,000 dms, Chipman Chemical Co, Oakland, Antwerp

San Francisco Imports

AMMONIA CARBONATE—2 cks, 7 cs, Pacific Exporter, Manchester
ANTIMONY REGULUS—1,000 cs, Irving Trust Co, President Cleveland, Hongkong
BLEACHING POWDER—125 dms, Wilson & George Meyer & Co, Oakland, Antwerp
BONE MEAL—250 sks, Heina, Antwerp
PHOSPHATE—1,100 sks, Heina, Antwerp
CALCIUM CHLORIDE—120 dms, 22 sks, Heina, Antwerp
92 dms, Heina, Antwerp (for Oakland)
CASSIA BUDS—25 cs, Wah Young Co, President Cleveland, Hongkong
CHALK—1,000 tons, San Antonio, Dunkirk (for Oakland)
CHEMICALS—40 csks, Oakland, Hamburg
CHINA CLAY—50 tons, Balfour, Guthrie & Co, San Antonio, Fowey
1,144 tons, Balfour, Guthrie & Co, San Antonio, Fowey (for Richmond)
CLAY, BALL—152 tons, Balfour, Guthrie & Co, San Antonio, Fowey
400 tons, Balfour, Guthrie & Co, San Antonio, Fowey (for Richmond)
COCONUT, DESIC—2,605 cs, Wood & Selick, President Cleveland, Manila
225 cs, M S Cowen Co, President Cleveland, Manila
5,461 cs, General Foods Sales Corpn, President Cleveland, Manila
250 cs, Raley Bros, President Cleveland, Manila
500 cs, A H Morse & Co, President Cleveland, Manila
1,552 cs, Durkee Famous Foods, President Cleveland, Manila
329 cs, Dodwell & Co, President Cleveland, Manila
COPRA—700 tons, El Dorado Oil Works, Aldington Court, Zamboanga (for Oakland)
484 tons, El Dorado Oil Works, Aldington Court, Catanauan (for Oakland)
600 tons, El Dorado Oil Works, Aldington Court, Gasan (for Oakland)
500 tons, El Dorado Oil Works, Aldington Court, Cebu (for Oakland)
250 tons, El Dorado Oil Works, Aldington Court, Dumaguete (for Oakland)
500 tons, Durkee Famous Foods, Aldington Court, Dumaguete (for Oakland)
FERTILIZER—100 sks, Wilson & George Meyer & Co, Oakland, Hamburg
FILTER COMP—30 bls, A Gusmer, Oakland, Hamburg
GINGER ROOT—179 pkgs, President Cleveland, Hongkong
GLASS, WINDOW—5 cs, Heina, Antwerp
20 cs, Heina, Antwerp (for Oakland)
15 cs, Bank of California, N A, San Antonio, Antwerp
GUM, COPAL—368 sks, Bunning & Co, President Cleveland, Manila
115 sks, Michael Fried, President Cleveland, Manila
58 bskts, Anglo-California National Bank, Djambi, Macassar
HERBS — 13 cs, 3 bskts, Peking Herb Co, President Cleveland, Hongkong
INK—3 cs, Chew Chong Tai, President Cleveland, Hongkong
LIME, HYDRATED—200 sks, Heina, Antwerp
MEDICINAL PREPS — 2 cs, Fung Chong, President Cleveland, Hongkong
8 cs, Quong Lee & Co, President Cleveland, Hongkong
9 cs, Chong Sing Co, President Cleveland, Hongkong
7 cs, Kwong Kee Chan, President Cleveland, Hongkong
4 cs, Columbia Co, President Cleveland, Hongkong
2 cs, Wing Hing Chong, President Cleveland, Hongkong
NUTMEGS—81 sks, Djambi, Banda
OIL, CHINAWOOD—357,000 lbs, Bank of California, N A, President Cleveland, Hongkong
240,000 lbs, Anglo-California National Bank, President Cleveland, Hongkong
272 tons, Pacific Vegetable Oil Corpn, President Cleveland, Hongkong
307 tons, Werner G Smith Co, President Cleveland, Hongkong
CITRONELLA — 3 dms, Bank of America, Djambi, Batavia
COCONUT, CRUDE—600 tons, Philippine Refining Corpn of N Y, Djambi, Manila
LUBRICATING—2 dms, Heina, Antwerp (for Oakland)
PALM—Quantity, Djambi, Belawan (for Oakland)
PEANUT—30 cs, Yee Wo & Co, President Cleveland, Hongkong
40 cs, Fung Chong, President Cleveland, Hongkong
20 cs, Quong Yuen Lung Co, President Cleveland, Hongkong
150 cs, Ti Hang Lung & Co, President Cleveland, Hongkong
PAPRIKA—200 sks, A Schilling & Co, Oakland, Hamburg
100 sks, S H Tyler & Son, Oakland, Hamburg
50 sks, McClintock-Stern Co, Oakland, Hamburg
PEATMOSS—209 bls, Peat Import Corpn, Oakland, Hamburg
PEANUTS, SHELLED—800 sks, M S Cowen Co, Djambi, Manila
PEPPER—4 sks, Otis, McAllister & Co, San Antonio, La Libertad
BLACK—100 sks, Djambi, Oosthaven
PERFUMERY — 3 cs, American Express Co, San Antonio, Havre
SESAME SEED—150 sks, S L Jones & Co, President Cleveland, Hongkong
SHEEP DIP, LIQ—20 cs, Bank Line Transport & Trading Co, Pacific Exporter, Glasgow
SILVERSAND—100 tons, Balfour, Guthrie & Co, San Antonio, Antwerp
500 tons, Balfour, Guthrie & Co, San Antonio, Antwerp (optional discharge Oakland)
STARCH—20 cs, Cheung Kee, President Cleveland, Hongkong
TAPIOCA FLOUR—110 sks, American Trust Co, Djambi, Sourabaya
25 sks, Djambi, Batavia
100 sks, Bank of California, N A, Djambi, Batavia
SIFTINGS—60 sks, Djambi, Tandjong Priok
TAR, CRACKED — 1 dm, Bahrein Petroleum Co, Djambi, Bahrein
TOILET PREPS — 1 cs, Chew Chong Tai, President Cleveland, Hongkong

Savannah Imports

CALCIUM NITRATE—250 bgs, Toledo, Porsgrund
GLASS, WINDOW—196 cs, Sundance, Antwerp
POTASH, KAINIT—962,600 kilos, Sundance, Antwerp
MANURE SALT—455,700 kilos, Sundance, Antwerp
MURIATE—quantity, San Mateo, Antwerp
1,085,700 kilos, Sundance, Antwerp
SULPHATE—2,500 bgs, Sundance, Antwerp

Seattle Imports

CHEMICALS—20 cks, L H Butcher Co, Oakland, Hamburg
SILVERSAND—300 tons, Balfour, Guthrie & Co, San Antonio, Antwerp
SODA CHLORATE—998 dms, International Selling Corp, San Antonio, Havre
1,000 dms, Chipman Chemical Co, Oakland, Antwerp
WATER, MINERAL—140 cs, Geo S Bush & Co, Oakland, Antwerp

Tacoma Imports

BONE PHOSPHATE, PRECIP—1,120 sks, San Antonio, Antwerp

Exports from U.S. Ports

New York Exports

Clearance Dates

Agwistar, August 6: American Banker, August 5; Antigua, August 6; Asakasan, August 6; Balfe, August 11; Black Falcon, August 5; Bremen, August 5; Caledonia, August 10; Champlain, August 11; Chickasaw City, July 27; Coamo, August 11; Collingsworth, August 5; Conte Savoia, August 5; Eastern Prince, August 5; Examella, August 2; Excalibur, August 2; Executive, August 10; Fairfield City, August 5; Gloucester City, August 11; Hansa, July 6; Hokkai, August 9; Huntress, July 30; Ingria, August 10; International, August 12; Kyno, August 5; Mexico, August 11; Mormacsea, August 5; Oriente, August 5; Platano, August 14; Ponce, August 6; Porto Rico, August 13; President Harding, August 3; Queen Mary, August 9; Quirigua, August 10; Santa Paula, August 11; Schodack, August 9; Siamese Prince, August 5; Spaarndam, July 29; Statendam, August 5; Stavangerfjord, August 2; Tai Ping Yang, July 29; Talamanca, August 3; The Angeles, July 22; Tunaholm, August 5; Unicoi, August 5; Vaclite, August 6; Vestland, August 16; Vito, August 11; West Kebar, August 3

ACID, MURIATIC—3,700 lbs, Talamanca, Kingston; 440 lbs, Collingsworth, Rio de Janeiro
NITRIC—404 lbs, Collingsworth, Rio Janeiro
TARTARIC—4,938 lbs, Quirigua, Porto Colombia
ALCOHOL, BUTYL—9,286 lbs, Schodack, Havre
ALUMINA SULPHATE—22,270 lbs, Collingsworth, Rio de Janeiro
AMMONIA, ANHYDR—29,028 lbs, West Kebar
SULPHATE—2,224 lbs, Quirigua, Buenaventura
ASPHALT—10,213 lbs, Statendam, Rotterdam; 710 tons, Vestland, Lewisport; 6,530 lbs, Ponce, Ponce; 39,776 lbs, Black Falcon, Antwerp; 12,060 lbs, Tai Ping Yang, Manila; 140,110 lbs, Fairfield City, Manila; 7,568 lbs, Ingria, Lisbon; 1,118,698 lbs, Schodack, Havre; (Executive) 250,415 lbs, Piraeus; 154,026 lbs, Salonica
LIQUID — 15,215 lbs, Excalibur, Marseilles; 25,144 lbs, Bremen, Oslo; 11,286 lbs, American Importer, Liverpool; 10,101 lbs, Statendam, Rotterdam; 49,626 lbs, Hansa, Prague; 23,119 lbs, The Angeles, Buenos Aires; (Schodack) 31,168 lbs, St Nazaire; 24,848 lbs, Bordeaux
SOLID—52,094 lbs, American Importer, Liverpool; 17,447 lbs, Mormacsea, Helsingfors
BLACK, BONE—7,070 lbs, American Banker, London
BLUE, LAUNDRY—3,169 lbs, Veragua, Limon
VITRIOL—569,842 lbs, Platano, Santa Marta
BUTYL ACETATE — 47,655 lbs, Schodack, Havre
CALCIUM, CARBIDE—(Fairfield City) 852,920 lbs, Honolulu; 551,040 lbs, Manila
CHLORIDE—50,025 lbs, Guirigua, Panama
PHOSPHATE—11,730 lbs, Tunaholm, Malmo
CEMENT, ROOF—35,906 lbs, Hansa, Hamburg
CHALK, PRECIP—13,148 lbs, The Angeles, Buenos Aires
CHEMICALS—1,303 lbs, Spaarndam, Rotterdam; 2,028 lbs, American Importer, Liverpool; (Mormacsea) 2,157 lbs, Malmo; 2,059 lbs, Helsingfors; 2,330 lbs, Hansa, Hamburg; 37,785 lbs, American Banker, London
CLAY—33,600 lbs, Hansa, Hamburg; 10,200 lbs, Collingsworth, Montevideo
COALTAR INTERMEDIATES — 2,770 lbs, Spaarndam, Glasgow; 955 lbs, Black Falcon, Antwerp
COLOR, DRY—6,720 lbs, Talamanca, Porto Colombia; 12,048 lbs, Tai Ping Yang, Manila; 3,952 lbs,
CORN FLOUR—30,800 lbs, Tai Ping Yang, Manila; 53,580 lbs, Fairfield City, Manila; 1,080 lbs, Ingria, Angra
SUGAR—9,870 lbs, Fairfield City, Shanghai
SYRUP—(Chickasaw City) 3,805 lbs, Honolulu; 504 lbs, Port Allen; 3,713 lbs, Ponce, Ponce; 12,880 lbs, Stavangerfjord, Oslo; 15,010 lbs, Tai Ping Yang, Manila; 1,504 lbs, Unicoi, Bombay; (Fairfield City) 7,510 lbs, Honolulu; 1,266 lbs, Paia; 2,520 lbs, Kahului; 3,150 lbs, Port Allen; 2,296 lbs, Antigua, Porto Barrios
COTTONSEED MEAL—112,834 lbs, Black Falcon, Antwerp
DEXTRIN—4,230 lbs, Oriente, Havana
CORN—7,050 lbs, Unicoi, Madras
DICHLORODIFLUOROMETHANE — 3,197 lbs, Tunaholm, Gothenburg
DISINFECTANT—3,143 lbs, Antigua, Porto Barrios
DYES—(Black Falcon) 504 lbs, Antwerp; 3,662 lbs, Rotterdam; (Unicoi) 6,445 lbs, Calcutta; 24,680 lbs, Bombay; 1,285,200 lbs, Fairfield City, Iloilo
ANILIN—1,320 lbs, Spaarndam, Amsterdam
DYEWOOD EXTRACT—9,521 lbs, American Importer, Liverpool
ETHYL FLUID—935 gls, Mormacsea, Gdynia; 700 gls, Examella, Constanza; 3,080 gls, Ingria, Marseilles; 550 gls, Schodack, St Nazaire
GASOLINE—8,250 gls, West Kebar, Matadi; 250 gls, Balfe, Leticia
GELATIN—9,332 lbs, American Banker, London
GLUCOSE—42,510 lbs, Gloucester City, Bristol
GLUE, DRY—10,288 lbs, Spaarndam, Amsterdam
GRAPHITE—11,220 lbs, American Banker, London
GREASE, LUBRICATING—12,657 lbs, Hansa, Hamburg; (Excalibur) 2,146 lbs, Oran; 3,580 lbs, Algiers; 4,846 lbs, Alexandria; 13,929 lbs, Aquitania, Southampton; 18,618 lbs, Spaarndam, Rotterdam; 36,096 lbs, Caledonia, Glasgow; 28,488 lbs, Conte Savoia, Genoa; (Tunaholm) 3,080 lbs, Stockholm; 1,328 lbs, Malmo; 15,405 lbs, Kyno, Hull; (American Importer) 21,404 lbs, Liverpool; 63,437 lbs, Manchester; 58,060 lbs, Gloucester City, Bristol; 84,582 lbs, Siamese Prince, Lourenco Marques; 4,802 lbs, Black Falcon, Antwerp; 39,655 lbs, Hansa, Hamburg; 18,186 lbs, Stavangerfjord, Oslo; 4,842 lbs, Examella, Piraeus; (Unicoi) 2,466 lbs, Malras; 2,460 lbs, Calcutta; 17,389 lbs, The Angeles, Santos; 12,356 lbs, President Harding, Hamburg; 4,280 lbs, Collingsworth, Montevideo; (West Kebar) 1,740 lbs, Dakar; 1,704 lbs, Takoradi; 5,362 lbs, Port Gentil; 2,993 lbs, Point Noire; 16,154 lbs,

GREASE, LUBRICATING (Continued):—
Matadi; (Hokkai) 37,483 lbs, Yokohama; 80,410 lbs, Kobe; (Ingria) 7,656 lbs, Haiphong; 4,635 lbs, Tuni; 7,423 lbs, Schodack, Havre; 41,936 lbs, American Banker, London; 5,338 lbs, Coamo, San Juan
GUM, TRAGACANTH—12,225 lbs, American Importer, Liverpool
INK, PRINTING — 15,389 lbs, Talamanca, Porto Colombia; (The Angeles) 75,309 lbs, Montevideo; 10,007 lbs, Buenos Aires
INSECTICIDE, AGRIC—5,829 lbs, Mormacsea, Helsingfors; 5,060 lbs, Siamese Prince, Capetown
HOUSEHOLD — 2,724 lbs, Chickasaw City, Kahului; 9,000 lbs, Unicoi, Calcutta
IRON OXIDE—6,480 lbs, American Banker, London
KEROSENE—(Balfe) 1,000 gls, Leticia; 3,000 gls, Iquitos
LACQUER—3,376 lbs, Chickasaw City, Honolulu; 1,545 lbs, Black Falcon, Antwerp; 6,446 lbs, Unicoi, Calcutta; 787 lbs, Schodack, Havre
THINNER—(Unicol) 2,750 gls, Mombasa, Madras
LARD — 24,863 lbs, Aquitania, Southampton; 21,308 lbs, Spaarndam, Rotterdam; (Kyno) 19,875 lbs, Hull; 26,000 lbs, Newcastle; 22,699 lbs, Aberdeen; (American Importer) 11,122 lbs, Liverpool; 6,000 lbs, Manchester; 137,860 lbs, Mormacsea, Czechoslovakia; 40,320 lbs, Queen Mary, Southampton; (Gloucester City) 84,500 lbs, Bristol; 39,000 lbs, Cardiff; 19,625 lbs, Talamanca, Porto Colombia; 62,000 lbs, American Banker, London; 24,000 lbs, Santa Paula, La Guaira; 71,000 lbs, Coamo, Ciudad
LEAD ARSENATE—4,410 lbs, Quirigua, Buenaventura
LIME, HYDRATED — 452,250 lbs. Platano, Santa Marta
LINSEED CAKE — 448,741 lbs, Spaarndam, Rotterdam; 449,422 lbs, Statendam, Rotterdam; (Black Falcon) 4,336,199 lbs, Antwerp; 953,468 lbs, Rotterdam; 451,183 lbs, Schodack, Havre
OIL, CASTOR—1,511 lbs, President Harding, Havre; 943 lbs, Coamo, San Juan
COCONUT—12,380 lbs, Quirigua, Puntarenas
CORN — 2,188 lbs, Ponce, Ponce; 903 lbs, Siamese Prince, Port Elizabeth; 4,470 lbs, Santa Paula, Curacao
CYLINDER—1,750 tons, Hanseat, Rotterdam-Hamburg
DIESEL—5,500 gls, West Kebar, Accra
ESSENTIAL — 1,022 lbs, Hansa, Hamburg; 1,695 lbs, American Banker, London
FUEL—11,000 gls, West Kebar, Freetown
GAS—(West Kebar) 7,150 gls, Port Bouet; 5,500 gls, Takoradi; 2,750 gls, Cotonou; 2,750 gls, Duala; 11,000 gls, Port Gentil
LUBRICATING—1,650 gls, Eastern Prince, Santos; 47,006 gls, Hansa, Hamburg; (Excalibur) 14,250 gls, Marseilles; 1,595 gls, Philippeville; 2,520 gls, Algiers; 2,860 gls, Alexandria; 605 gls, Jaffa; 1,320 gls, Beirut; 38,000 gls, Spaarndam, Rotterdam; 13,440 gls, Caledonia, Glasgow; 420 gls, Black Falcon, Antwerp; 122,415 gls, Hansa, Hamburg; (Stavangerfjord) 345 gls, Oslo; 4,550 gls, Bergen; 825 gls, Tonsber; 10,525 gls, Oslo; (Examelia) 4,950 gls, Piraeus; 2,200 gls, Salonica; 5,892 gls, Huntress, Lisbon; 8,778 gls, Conte Savoia, Genoa; (Tunaholm) 375 gls, Malmo; (Kyno) 4,900 gls, Hull; 8,972 gls, Newcastle; 2,200 gls, Aberdeen; (American Importer) 1,260 gls, Liverpool; 5,058 gls, Manchester; (Mormacsea) 3,150 gls, Copenhagen; 2,750 gls, Stockholm; (Statendam) 7,860 gls, Rotterdam; 10,020 gls, Amsterdam; (Hanseat) 100 tons, Rotterdam; 4,565 tons and 42,000 gls, Rotterdam-Hamburg; 13,020 gls, Gloucester City, Cardiff; 550 gls, Black Condor, Rotterdam; (Agwistar) 10,450 gls, Porto Mexico; 16,005 gls, Tampico; 2,475 gls, Oriente, Havana; (Siamese Prince) 2,200 gls, Port Elizabeth; 5,095 gls, Lourenco Marques; (Lisbeth) 2,200 gls, Ciudad; 630 gls, Cayenne; (Talamanca) 2,220 gls, Kingston; 1,500 gls, Cartagena; 27,500 gls, Tai Ping Yang, Hongkong; (Unicol) 4,850 gls, Bombay; 2,805 gls, Madras; 13,475 gls, Calcutta; 34,900 gls, The Angeles, Santos; (President Harding) 2,520 gls, Hamburg; 330 gls, Helsingfors; 24,375 gls, Havre; (Collingsworth) 1,740 gls, Rio de Janeiro; 6,600 gls, Montevideo; (West Kebar) 275 gls, Dakar; 5,225 gls, Takoradi; 7,700 gls, Winnebah; 2,200 gls, Lagos; 1,155 gls, Port Harcourt; 2,450 gls, Duala; 975 gls, Libreville; 350 gls, Port Gentil; 1,650 gls, Point Noire; 6,050 gls, Matadi; (Fairfield City) 10,835 gls, Saigon; 2,750 gls, Manila; (Hokkai) 37,530 gls, Osaka; 18,700 gls, Yokohama; 25,025 gls, Kobe; (Ingria) 8,636 gls, Lisbon; 1,925 gls, Marseilles; 13,375 gls, Haiphong; 5,885 gls, Tunis; (Schodack) 12,144 gls, Havre; 6,099 gls, Bordeaux; 8,250 gls, American Banker, London; (Vaclite) 117,432 gls, Bremen; 295,512 gls, Hamburg; (Santa Paula) 1,375 gls, Porto Cabello; 1,265 gls, La Guaira; (Executive) 13,365 gls, Casablanca; 1,265 gls, Piraeus; 5,500 gls, Veragua, Havana
NEATSFOOT—1,360 lbs, Statendam, Rotterdam; 2,410 lbs, Stavangerfjord, Bergen
OLEO—52,238 lbs, Spaarndam, Rotterdam; 23,185 lbs, Tunkaholm, Stockholm; 11,382 lbs, American Importer, Liverpool; 23,699 lbs, Mormacsea, Copenhagen; 4,767 lbs, Black Condor, Rotterdam; 4,757 lbs, Stavangerfjord, Oslo; 5,675 lbs, American Banker, London
PALE—(Hanseat) 550 tons, Rotterdam; 2,155 tons, Rotterdam-Hamburg
PEPPERMINT—3,106 lbs, Hansa, Hamburg; 1,135 lbs, Kyno, Hull; 880 lbs, Champlain, Havre; 4,913 lbs, American Banker, London
PINE—12,723 lbs, Mormacsea, Helsingfors; 1,413 lbs, Stavangerfjord, Trondhjem; 14,174 lbs, The Angeles, Buenos Aires
VALVE—(Hanseat) 50 tons, Rotterdam; 445 tons, Rotterdam-Hamburg; 4,675 gls, Mexico, Vera Cruz
VEGETABLE—1,318 lbs, Chickasaw City, Honolulu
PAINT — 2,665 lbs, Marmacsea, Stockholm; 13,740 lbs, Tai Ping Yang, Manila; 15,950 lbs, The Angeles, Buenos Aires; 7,574 lbs, Fairfield City, Honolulu; (Quirigua) 8,659 lbs, Porto Colombia; 19,175 lbs, Buenaventura; 3,736 lbs, Porto Rico, San Juan
LIQUID—9,067 lbs, Chickasaw City, Honolulu
PASTE—10,425 lbs, Tunaholm, Stockholm
PREPARED — 12,538 lbs, Antigua, Porto Barrios
THINNER—1,100 gls, The Angeles, Montevideo
PALM KERNEL CAKE—33,936 lbs, Stavangerfjord, Oslo
PARAFFIN—33,813 lbs, Hansa, Hamburg; (Stavangerfjord) 2,224 lbs, Sarpsborg; 11,424 lbs, Oslo; 48,840 lbs, Huntress; Lisbon; 15,201 lbs, Conte di Savoia, Genoa; (Kyno) 165,915 lbs, Hull; 108,320 lbs, Newcastle; 10,228 lbs, Gloucester City, Bristol; (Black Condor) 2,224 lbs, Rotterdam; 2,224 lbs, Amsterdam; 4,676 lbs, The Angeles, Santos; 2,226 lbs, Ingria, Tunis; 99,886 lbs, Mexico, Vera Cruz; 226,080 lbs, Santa Paula, La Guaira; 40,315 lbs, Coamo, Ciudad; 44,462 lbs, Quirigua, Porto Colombia; 64,690 lbs, Veragua, Limon
REFINED—11,153 lbs, Ingria, Lisbon
SCALE — 121,778 lbs, American Importer, Manchester; (Statendam) 24,526 lbs, Rotterdam; 32,855 lbs, Amsterdam; 167,740 lbs, Gloucester City, Bristol
PETROLATUM, MED — 10,620 lbs, Siamese Prince, Durban
PETROLEUM, REFD—(West Kebar) 2,500 gls, Dakar; 15,000 gls, Conakry; 11,000 gls, Freetown; 15,500 gls, Monrovia; 2,000 gls, Marshall; 500 gls, Port Bouet; 500 gls, Port Gentil
PITCH—175,799 lbs, Ingria, Marseilles
POTASH BICHROMATE—12,215 lbs, The Angeles, Santos
BICHROMATE CRYSTALS — 11,771 lbs, Mormacsea, Helsingfors
RESIN—1,283 lbs, American Banker, London
ROOTS—8,163 lbs, Hansa, Hamburg
ROSIN—1,328 lbs, Black Falcon, Rotterdam; 5,020 lbs, Statendam, Rotterdam; 7,345 lbs, American Banker, London
SOAP—10,625 lbs, Chickasaw City, Honolulu; (Ponce) 11,200 lbs, Ponce; 10,800 lbs, Aguadilla; 28,080 lbs, Unicoi, Karachi; 12,900 lbs, Fairfield City, Honolulu
LAUNDRY—6,220 lbs, Chickasaw City, Honolulu
SODA, ASH—9,656 lbs, Chickasaw City, Hilo; 189,510 lbs, Agwistar, Porto Mexico; 69,115 lbs, Oriente, Havana; 2,079 lbs, Talamanca, Porto Colombia; 13,512 lbs, Unicoi, Colombo; 68,838 lbs, The Angeles, Rio de Janeiro; 8,360 lbs, Fairfield City, Honolulu; 11,100 lbs, Quirigua, Cartagena
BICARBONATE—4,780 lbs, Chickasaw City, Honolulu; 1,325 lbs, Fairfield City, Honolulu; 20,200 lbs, Quirigua, Porto Colombia
CAUSTIC—410,210 lbs, Agwistar, Porto Mexico; 110,140 lbs, Oriente, Havana; 85,162 lbs, Tai Ping Yang, Hongkong; 12,515 lbs, Unicoi, Colombo; (The Angeles) 267,835 lbs, Rio de Janeiro; 17,280 lbs, Montevideo; 14,120 lbs, Fairfield City, Honolulu; (Balfe) 8,597 lbs, Iquitos; 22,895 lbs, Manaos; 17,963 lbs, Recife; 150,146 lbs, Mexico, Vera Cruz; 32,515 lbs, (Quirigua) 32,515 lbs, Porto Colombia; 18,000 lbs, Porto Armuelles
NITRATE—84,840 lbs, Veragua, Limon
PERBORATE—1,356 lbs, Tai Ping Yang, Manila
PHOSPHATE, TRI—11,200 lbs, Kyno, Hull; 11,200 lbs, Gloucester City, Bristol
SULPHATE—3,827 lbs, Talamanca, Porto Colombia
STARCH—2,640 lbs, Tai Ping Yang, Manila; 2,424 lbs, American Banker, London
CORN—2,775 lbs, Hansa, Hamburg; (Kyno) 42,450 lbs, Hull; 62,260 lbs, Newcastle; 6,660 lbs, Tunaholm, Gothenburg; 5,555 lbs, Statendam, Rotterdam; 1,985 lbs, Lisbeth, St Thomas; (Siamese Prince) 3,750 lbs, Beira; 7,050 lbs, Capetown; 6,538 lbs, Ponce, Ponce; 2,208 lbs, Tai Ping Yang, Manila; (Fairfield City) 2,830 lbs, Honolulu; 1,115 lbs, Paia; 1,853 lbs, Kahului; 2,788 lbs, Port Allen; 2,294 lbs, Coamo, Ciudad; 2,000 lbs, Antigua, Santiago
SULPHANILAMIDE—1,230 lbs, Black Falcon, Antwerp
SUPERPHOSPHATE—237 tons, International, Chambly
TALC—(Kyno) 22,400 lbs, Hull; 11,200 lbs, Newcastle; 5,656 lbs, The Angeles, Buenos Aires
TANNING EXTRACT—10,280 lbs, Siamese Prince, Port Elizabeth
TITANIUM LITHOPONE—8,600 lbs, Caledonia, Glasgow
VARNISH—12,180 lbs, Excalibur, Naples; 2,400 lbs, Quirigua, Porto Colombia
WITCH HAZEL EXTRACT—19,840 lbs, Gloucester City, Bristol
ZINC DUST—5,404 lbs, Excalibur, Marseilles
OXIDE—7,506 lbs, Unicoi, Calcutta; 984 lbs, President Harding, Dunkirk; 24,500 lbs, The Angeles, Buenos Aires

Baltimore Exports
Clearance Dates

Capulin, August 9; Exchange, August 13; Kyusyu, August 19; Maasdam, August 15; Vermont, Auust 13; Wichita, August 13

ASBESTOS REFUSE—(Capulin) 4,900 lbs, Hamburg; 2,800 lbs, Copenhagen
CADMIUM LITHOPONE—2,324 lbs, Capulin, London
CLAY, GRD—4,900 lbs, Capulin, Surrey
COPRA CAKE—100 tons, Capulin, Hamburg
CORN, SYRUP—21,420 lbs, Wichita, Manila
ENAMEL—50 gls, Vermont, Panama
GLASS, FRIT, CRSHD—30,000 lbs, Capulin, London
LIQUID, CRSHD—3,525 lbs, Capulin, London
GREASE, LUBRICATING—(Capulin) 162,000 lbs, Hamburg; 625 lbs, Dundee; (Kyusyu) 7,599 lbs, Osaka; 3,513 lbs, Yokohama; 3,611 lbs, Maasdam, Rotterdam
LACQUERS—22 gls, Vermont, Panama
OIL, LUBRICATING—245 dms, Kyusyu, Osaka; 279 gls, Maasdam, Rotterdam
PARAFFIN—108 bbls, Capulin, Dundee
PAINT—60 gls, Vermont, Panama
PASSION FLOWER HERB—4,202 lbs, Exchange, Marseilles
PUTTY—10,000 lbs, Vermont, Panama
SAND, PREPARED—1,511 lbs, Capulin, London
SODA, ASH—224,070 lbs, Wichita, Hongkong; 447,986 lbs, Kyusyu, Tientsin
BICHROMATE—4,409 lbs, Capulin, Hamburg
CAUSTIC—112,370 lbs, Wichita, Hongkong; 112,370 lbs, Kyusyu, Tientsin
STARCH, CORN—45,675 lbs, Capulin, London
TITANOLITH LITHOPONE—4,800 lbs, Capulin, London

Beaumont Exports
Clearance Dates

D G Scofield, August 17; Fagerfjell, August 10; Mirlo, August 10; Rapallo, August 12

OIL, DIESEL—47,667 bbls, D G Scofield, Cristobal
FUEL—29,428 bbls, D G Scofield, Cristobal
PETROLEUM, CRUDE—94,614 bbls, Fagerfjell, Montreal; 80,000 bbls, Mirlo, Montreal; 55,985 bbls, Rapallo, Fiume

Boston Exports
Clearance Dates

American Shipper, August 14; Black Tern, August 17; Capulin, August 15; Evangeline, August 19; Excambion, August 17; Lady Hawkins, August 13; Mormacsun, August 12; Newfoundland, August 11; Samaria, August 13; Silverash, August 15; Yarmouth, August 14, 18

ALUMINA OXIDE—6 kgs, 2,303 lbs, Capulin, London
BAKING POWDER—20 bxs, 10 pls, and 2 crates, 1,180 lbs, Newfoundland, St John's, N F
CALCIUM CARBIDE, PREP—30 dms, 3,000 lbs, Capulin, Kuwait
CELERY SALT—1 kg, 100 lbs, Evangeline, Halifax
CHEMICALS, TEXTILE—2 cs, 341 lbs, American Shipper, Manchester
CLAY—147 bbls, 18 tons, Capulin, London
CLEANER, SHOE—1 cs, 70 lbs, American Shipper, Manchester
DRESSING, LEATHER—1 cs, 12 lbs, Samaria, Liverpool; 1 bbl, 370 lbs, Capulin, Leicester
FELDSPAR—175 bbls, 61,000 lbs, American Shipper, Manchester
FLUX—6 dms, 1,940 lbs, Black Tern, Antwerp
GLUE, FISH—10 bbls, 5,412 lbs, Capulin, London
GREASE, LUBRICATING—4 crtns, 60 lbs, Samaria, Liverpool; 4 cs, 168 lbs, Yarmouth, St John, N B
GUM, SYNTH—1 dm, 103 lbs, Samaria, Liverpool
INK, MARKING—1 cs, 43 lbs, Samaria, Leicester
PRINTING—1 cs, 84 lbs, Samaria, Manchester; 1 cs, 169 lbs, Capulin, London
WRITING—2 pkgs, Lady Hawkins, Hamilton
LACQUER—12 dms, 4,800 lbs, Black Tern, Wiltz, Luxembourg
LARD—350 bxs, 9,800 lbs, Samaria, Liverpool; (Capulin) 575 bxs, 26,165 lbs, Leith; 50 bxs, 1,400 lbs, Dundee; 1,500 bxs, 42,000 lbs, London
LINING COMP—(Black Tern) 3 dms, 1,479 lbs, Rotterdam; 131 dms, 14,849 lbs, Antwerp; 50 dms, 2,300 lbs, Capulin, Goteborg
LUBRICANT, DRAWING—4 dms, 148 lbs, Black Tern, Antwerp
MEDICINAL PREPS—125 cs, 7,125 lbs, Samaria, Nottingham
MOLASSES—(Mormacsun) 45 bbls, 2,475 gls, Copenhagen; 30 bbls, 1,650 gls, Norrkoeping
OIL, LUBRICATING—1 dm, 53 gls, Yarmouth, St John, N B; 3 cs, 50 gls, Samaria, Liverpool; 12 dms, Yarmouth, St John, N B
PAINT—23 cs, 137 gls, Newfoundland, St John's N F; 1 bx, 34 lbs, Capulin, Helsingfors
ALUMINUM—6 bxs, 17½ gls, Newfoundland, St John's, N F
PASTE, ADHES—1 bbl, 290 lbs, Yarmouth, Fredericton, N B
POLISH, SHOE—(Excambion) 2 cs, 74 lbs, Alexandria; 1 cs, 22 lbs, Cairo; 1 cs, 34 lbs, Samaria, Leicester; 6 cs, 421 lbs, Silverash, Manila
SLATE, CRSHD—521 bgs, 70,000 lbs, Capulin, Gothenburg
SOAP, DETERGENT, LIQ—1 csk, 936 lbs, Samaria, Stockport
MEDICATED—1 cs, 91 lbs, Newfoundland, St John's, N F
TOILET PREPS—1 cs, 68 lbs, Samaria, Nottingham
TURPENTINE, GUM—4 dms, 220 gls, Newfoundland, Kentville, N S

Corpus Christi Exports
Clearance Dates

Itukusima, August 9; John Knudsen, August 3

GASOLINE—5,795 bbls, John Knudsen, Havre
PETROLEUM, CRUDE—100,311 bbls, John Knudsen, Havre; 78,655 bbls, Itukusima, Yokohama

Galveston Exports
Clearance Dates

Breedijk, August 10; Davanger, July 22; Dessau, July 23; Inverlee, August 15; Kentucky, July 22; J A Mowinckel, July 23; Nyholt, July 23; Schwanheim, August 10; Torukawa, August 13

BLACK, CARBON — 112 tons, Kentucky, Gdynia; 6 cs, Dessau, Wellington; (Breedijk) 17 tons, London; 3 tons, Antwerp; 1,147 bgs, Schwanheim, Bremen; 22 tons, Torukawa, Yokohama
MOLYBDENITE—220 tons, Breedijk, Antwerp
OIL, GAS—11,000 tons, J A Mowinckel, Havre
PETROLEUM, CRUDE—80,000 bbls, Davanger, Montreal; 95,000 bbls, Nyholt, Montreal; 13,200 tons, Inverlee, Havre
SULPHUR—10 tons, Kentucky, Gdynia; 4,250 tons, Dessau, Wellington; 100 tons, Breedijk, Rotterdam; 30 tons, Schwanheim, Hamburg

Houston Exports
Clearance Dates

Alexandra Hoegh, August 11; Breedijk, August 8; City of Omaha, August 10; Frode, August 9; H M Frederichsen, August 7; Kongsgaard, August 16; Margaret Lykes, August 13; Nako, August 6; Ocana, August 9; Ranella, August 13; San Calisto, August 11; Schwanheim, August 9; Stigstad, August 9; Spencer Kellogg, August 7; Strinda, August 13; Tarvisio, August 10; Teresa Odero, August 10; Terukawa, August 11; Tiburcio, August 7; Trafalgar, August 15

ASPHALT—196 dms, Trafalgar, Gothenburg
BLACK CARBON—(Breedijk) 60 tons, London; 10 tons, Antwerp; 160 tons, Rotterdam; (Frode) 5 tons, Copenhagen; 5 tons, Gdynia; 250 tons, Schwanheim, Bremen; (City of Omaha) 19,553 bgs, 1,060 cs, Havre; 224 bgs, Rotterdam; 300 bgs, Ghent; 3,888 bgs, 140 cs, Antwerp; (Terukawa) 35 tons, Yokohama; 10 tons, Osaka; 160 tons, Kobe; (Trafalgar) 300 bgs, 60 cs, Gothenburg; 235 cs, Copenhagen
CLAY—30 tons, Margaret Lykes, Havana
GASOLINE—57,000 bbls, H M Frederichsen, Havana; 6,000 tons, Ocana, United Kingdom; 8,000 tons, Stigstad, White Booth Roads and Preston; 7,600 tons, San Calisto, United Kingdom; 4,000 tons, Kongsgaar, London and Amsterdam
HYDROLIZED—2,200 tons, Ocama, Netherlands
KEROSENE—3,800 tons, San Calisto, United Kingdom
LUBRICANTS — 150 tons, Margaret Lykes, Cristobal
OIL, FUEL — 49,000 bbls, Spencer Kellogg, Cienfuegos; 7,150 tons, Tarvisio, La Spezia; 10,000 tons, Teresa Odero, La Spezia
GAS—8,900 tons, Tiburcio, Aruba; (Ranella) 2,000 tons, Belgium; 4,400 tons, Netherlands; 3,500 tons, Kongsgaard, London and Amsterdam
LUBRICATING—(Nako) 200 dms, Yokohama; 60 dms, Kobe; 300 bbls, Schwanheim, Bremen; 65 bbls, City of Omaha, Rotterdam
PETROLEUM, CRUDE—8,000 tons, Alexandra Hoegh, Trieste; 121,500 bbls, Strinda, Montreal
SULPHUR—30 tons, Frode, Copenhagen; (City of Omaha) 24 tons, Havre; 46 tons, Rotterdam; 10 tons, Antwerp; 18 tons, Margaret Lykes, Havana

Lake Charles Exports
Clearance Dates

Margaret Lykes, August 6

ROSIN — (Margaret Lykes) 145 dms, Buenaventura; 40 dms, Coquimbo; 105 dms, Cartagena; 30 dms, Puerto Colombia

Los Angeles Exports
Clearance Dates

Albertolite, August 9; Annie Johnson, August 9; Argyll, August 13; Athelknight, August 12; Caledonia, August 14; China Arrow, August 15; City of Oran, August 10; Gracia, August 11; Ima, Augusa 11; Kentuckian, August 5; Montebello, August 14; Monterey, August 9; Nisshin, August 9; Pacific Reliance, August 10; Pacific Shipper, August 5; Paul Shoup, August 7; President Cleveland, August 8; Ramapo, August 12; Selma City, August 8; Skjelbred, August 5; Toa, August 11; Tosan, August 12; Trondanger, August 6; Velma, August 13

ACETONE—(Annie Johnson) 25 dms, 8,950 lbs, Helsingfors; 16 dms, 5,730 lbs, Copenhagen; 25 dms, 8,950 lbs, Klaipeda; 92 dms, 32,940 lbs, Stockholm; 101 dms, 33,620 lbs, Pacific Shipper, Liverpool
ALCOHOL, BUTYL—1 dm, 370 lbs, Annie Johnson, Stockholm
BORATE—2,333 bgs, 386,040 lbs, Tosan, Osaka
BORAX—1,100 bgs, 123,200 lbs, Annie Johnson, Hull; (Pacific Shipper) 197 bgs, 22,060 lbs, Lisbon; 3,000 bgs, 336,000 lbs, London; 1,160 bgs, 134,400 lbs, Manchester; (Skjelbred) 1,344 sx, 148,180 lbs, Yokohama; 2,000 sx, 220,500 lbs, Osaka; (Selma City) 2,000 bgs, 224,000 lbs, London; 3,000 bgs, 336,000 lbs, Avonmouth; 272 sx, 29,990 lbs, Tosan, Osaka
CLAY, GRD—2,400 sx, 120,000 lbs, Annie Johnson, Karlshamn
CLEANER—510 lbs, President Cleveland, Hongkong
ETHYL KETONE—(Annie Johnson) 12 dms, 4,390 lbs, Helsingfors; 24 dms, 8,780 lbs, Stockholm; 167 dms, 66,440 lbs, Pacific Shipper, London
GASOLINE—96,609 lbs, 24,271,450 lbs, China Arrow, Vladivostok
INFUSORIAL EARTH—20 bgs, 2,000 lbs, Pacific Reliance, Vancouver; 598 bgs, 56,000 lbs, Pacific Shipper, Manchester; 551 bgs, 55,100 lbs, Selma City, London; 551 bgs, 55,100 lbs, Trondanger, Antwerp; (Gracia) 242 bgs, 24,500 lbs, London; 560 bgs, 56,000 lbs, Glasgow
LACQUER THINNER—2,980 lbs, President Cleveland, Hongkong
LARD—300 tins, 11,100 lbs, Kentuckian, San Juan
OIL BRAKE—450 lbs, Tosan, Tokio
DIESEL—18,403 bbls, 5,741,740 lbs, Nisshin, Osaka; 7,927 bbls, 2,473,220 lbs, Paul Shoup, La Union; 17,794 bbls, 5,551,728 lbs, Ramapo, Cavite; 15,797 bbls, 4,928,666 lbs, Montebello, Vancouver; 110,113 bbls, 31,235,360 lbs, Caledonia, Curacao
FUEL—80,668 bbls, 26,862,440 lbs, Toa, Yokusaka; 110,361 bbls, 36,750,210 lbs, Nisshin, Osaka; 54,271 bbls, 18,072,240 lbs, Paul Shoup, La Union; 59,169 bbls, 19,703,280 lbs, Ramapo, Cavite; 80,879 bbls, 30,262,610 lbs, Veluna, Tocopilla; 21,995 bbls, 7,324,340 lbs, Argyll, Vancouver; 8,334 bbls, 2,775,220 lbs, Montebello, Vancouver
LEMON, DIST—25 dms, 2,500 lbs, Gracia, London
LUBRICATING—170 dms, 83,420 lbs, Monterey, Melbourne
ORANGE, DIST—10 dms, 1,070 lbs, Gracia, London
SALAD—10 cs, 770 lbs, President Cleveland, Manila
WALNUT—430 lbs, Pacific Shipper, Lisbon
PAINT, LIQ—140 lbs, City of Oran, Manila; 540 lbs, President Cleveland, Hongkong
PECTIN, CITROUS—(Annie Johnson) 1,200 lbs, London; 650 lbs, Copenhagen; 33 pks, 5,600 lbs, Gracia, London
PETROLEUM, CRUDE—63,422 bbls, 19,787,660 lbs, Albertolite, Vancouver; 29,033 bbls, 9,668,660 lbs, Ima, Niigata; 97,965 bbls, 30,565,080 lbs, Athelknight, Gensan
GAS, LIQ—100 cyls, 10,000 lbs, Annie Johnson, Barranquilla
POTASH MURIATE—1,005,500 lbs, Kentuckian, San Juan
TALC—30 bgs, 6,000 lbs, City of Oran, Shanghai
TOILET PREPS—(Annie Johnson) 170 lbs, Curacao; 170 lbs, London; 350 lbs, Pacific Shipper, London; (Kentuckian) 340 lbs, San Jun; 220 lbs, Arecibo; 100 lbs, Humacao; 950 lbs, President Cleveland, Hongkong

New Orleans Exports
Clearance Dates

Aurora, July 30; Buccinum, August 13; Cefalu, July 26; Contessa, July 19; Morazan, July 21; August 4; Tegucigalpa, August 11; Toloa, July 22; Tuyama, August 2; Wanks, August 4

ALUMINA SULPHATE—36 bbls, Tegucigalpa, Tampico
ASPHALT—(Contessa) 1,200 dms, Acajutla; 461 dms, Valparaiso; 181 sx, Tegucigalpa, Vera Cruz
BLACK CARBON—(Duquesne) 2 tons, Liverpool; 28 tons, Manchester-Liverpool; 10 tons, Manchester; (Breedijk) 1 ton, Rotterdam; 1 ton, Amsterdam
BORAX—25 sx, Morazan, Vera Cruz; 3 tons, Tegucigalpa, Tampico
CALCIUM PHOSPHATE — 10 bbls, Tegucigalpa, Tampico
CLAY FILTER—2,000 sx, Tegucigalpa, Tampico
CORN SYRUP—24 tons, Duquesne, Manchester
COTTONSEED MEAL — 6,000 sx, Toloa, Havana
PULP—145 tons, Duquesne, Liverpool
FIRECLAY—18 tons, Duquesne, Manchester
FULLER'S EARTH — 500 sx, Tegucigalpa, Tampico
GASOLINE — 1,600 dms, Tuyama, Yokohama; 301 dms, Wanks, Ceiba; 4,469 tons, Toyohasi, Ryojun
GLUCOSE—25 bbls, Contessa, Havana
INK—4 dms, Contessa, Havana
KEROSENE—60 cs, Contessa, Puerto Cabezas; 5 dms, Cefalu, Puerto Cabezas; 75 cs, 41 dms, 60 etns, Toloa, Puerto Limon
LARD—525 tins, Cefalu, Panama; (Toloa) 300 dms, 450 tins, Havana; 756 cs, Cristobal; 100 tins, Puntarenas; 1,200 tins, Puerto Limon; 350 tins, Morazan, Vera Cruz; (Tegucigalpa) 3,000 tins, Tampico; 1,750 tins, Vera Cruz
OIL, FUEL—1,500 bbls, Contessa, Ceiba; 1,500 bbls, Cefalu, Ceiba; 30 dms, Wanks, Ceiba
GAS — 5,950 tons, Buccinum, Rotterdam; 76,328 bbls, Aurora, Curacao
LUBRICATING—(Cefalu) 20 dms, Iquique; 10 dms, Antofagasta; 100 dms, Talcahuano; 119 dms, Tuyama, Kobe
OLIVE—150 cs, Toloa, Havana; 905 cs, 30 dms, Morazan, Vera Cruz
REFINED—300 cs, Toloa, Puerto Limon
PAINT—1 ton, Contessa, Ceiba; 5 tons, Cefalu, Panama City; 1 ton, Tegucigalpa, Vera Cruz
PARAFFIN — (Contessa) 800 sx, Talcahuano; 700 sx, Valparaiso; 2,000 sx, Cefalu, Valparaiso; 1,670 sx, Morazan, Vera Cruz; 508 sx, Tegucigalpa, Vera Cruz
PINETAR—25 dms, Morazan, Vera Cruz

ROSIN—150 dms, Contessa, Talcahuano; (Toloa) 50 dms, Panama; 10 dms, Talcahuano
GUM—160 dms, Cefalu, Guayaquil
WOOD—15 dms, Toloa, Puerto Limon; 14 tons, Duquesne, Liverpool
SALT — (Cefalu) 50 tons, Havana; 2 tons, Puerto Cabezas; 40 tons, Toloa, Havana
SHRIMP BRAN—20 sx, Toloa, Cristobal
STARCH—582 tons, Duquesne, Manchester
SULPHUR—3,550 tons, Duquesne, Manchester
TURPENTINE—50 cs, Toloa, Havana
ZINC DUST—90 dms, Cefalu, Puerto Cabezas

Norfolk Exports
Clearance Dates

Capulin, August 9; Manchester Producer, Auust 11; Tabinta, August 16

CLEANER—(Tabinta) 4 cs, 1,920 lbs, Penang; 6 cs, 1,444 lbs, Singapore
MICA, PULV—100 bgs, 10,200 lbs, Capulin, Hamburg
OCHER—(Capulin) 1,820 bgs, 294,846 lbs, Leith; 1,075 bgs, 169,650 lbs, Dundee
STARCH—432 bgs, 61,128 lbs, Capulin, London
CORN—4,840 bgs, 682,440 lbs, Manchester Producer, Manchester
TANNING EXTRACT—500 bbls, 299,218 lbs, Manchester Producer, Liverpool
TENITE—2 dms, 366 lbs, Capulin, Hamburg

Philadelphia Exports
Clearance Dates

Ada O, August 18; Argentino, August 15; Ilegian Gulf, August 18; Boniface, August 12; Exminster, August 18; Fernlane, August 19; Independence Hall, August 13; Kota Inten, August 16; Lehigh, August 17; Maasdam, August 13; Marcus Hook, August 19; Naruto, August 13; San Rafael, August 16; Sarcoxie, August 15; Wichita, August 15

ABRASIVE GRAIN—3 cs, 1 dm, Wichita, Manila
ALUMINA SULPHATE — 304 bbls, Wichita, Manila
ANTI FREEZE SOL—48 pkgs, Maasdam, Amsterdam
BENZOL—9 dms, Argentino, Rio de Janeiro
BLUE, MECHANICS'—1 ctn, Wichita, Manila
BRISTLES—7 cs, Sarcoxie, Hamburg
CEMENT, GASKET—5 pkgs, Maasdam, Amsterdam; 6 cs, Kota Inten, Penang; 15 cs, 2 ctns, Wichita, Manila; 1 cs, Exminster, Istanbul
CHEMICALS—2 pkgs, Maasdam, Rotterdam; 1 bx, Naruto, Yokohama
CLEANER—1 cs, Wichita, Manila
COALTAR, INTERMEDIATES—(Argentino) 12 dms, Rio de Janeiro; 72 dms, Buenos Aires
PRODUCTS—55 dms, Argentino, Rio de Janeiro
COCOA CAKE—3,200 pkgs, Maasdam, Amsterdam
COTTON LINTERS—100 bbls, Independence Hall, Dunkirk
DYEWOOD EXTRACT — (Boniface) 7 bbls, Pernambuco; 7 bbls, Bahia
ETHYL FLUID—10 dms, Independence Hall, Havre; 24 dms, Lehigh, Dublin
GREASE, LUBRICATING—1 pkg, Maasdam, Rotterdam; 12 dms, Boniface, Pernambuco; 1 dm, Sarcoxie, London; (Argentino) 5 bbls, 40 pls, 30 cs, Santos; 2 dms, Buenos Aires; 1 dm, Lehigh, Dublin; 90 cs, Exminster, Istanbul
INSECTICIDE, AGRIC—60 cs, 10 dms, Exminster, Istanbul
HOUSEHOLD—(Kota Inten) 24 ctns, 2 dms, Medan; 140 cs, Singapore
LACQUER THINNER—(Kota Inten) 5 dms, Batavia; 5 dms, Sourabaya
LINSEED MEAL—2,000 bgs, Lehigh, Belfast
MEDICINAL PREPS—14 ctns, San Rafael, Panama; 1 cs, Lehigh, Glasgow; 3 cs, Fernlane, Lisbon
MINERAL SPTS—5 dms, Argentino, Buenos Aires
OIL, LUBRICATING—(Maasdam) 1,618 pkgs, Rotterdam; 12 pkgs, Amsterdam; (Boniface) 100 cs, Manaos, 137 bbls, 592 cs, 95 dms, 2 cs, Pernambuco; 3 dms, Iquitos; (Sarcoxie) 205 bbls, Havre; 268 bbls, Hamburg; (Independence Hall) 3,535 dms, 65 bbls, 25 ctns, 235 pkgs, Havre; 2,110 bbls, Dunkirk; (Kota Inten) 10 pkgs, 4 ctns, Medan; 125 pkgs, Penang; 249 dms, 926 cs, Bangkok; 105 pkgs, Port Swettenham; 530 pkgs, Singapore; 40 pkgs, Batavia; 20 pkgs, Padang; 10 pkgs, Palembang; 30 pkgs, Samarang; 75 bbls, Sourabaya; 13 ctns, Wichita, Manila; (Argentino) 124 bbls, 60 dms, 301 cs, Rio de Janeiro; 173 dms, 190 cs, Santos; 104 dms, Buenos Aires; (Naruto) 188 dms, 24 ctns, Kobe; 35 dms, Moji; 211 dms, 33 ctns, Yokohama; 20 pkgs, Tientsin; (San Rafael) 66 ctns, Guayaquil; 10 dms, Buenaventura; 4,212 bbls, Ada O, Genoa; 8 dms, Lehigh, Belfast; (Exminster) 10 dms, 112 cs, Istanbul; 152 dms, Piraeus; (Fernlane) 60 dms, 104 cs, Palestine; 38 cs, 63 ctns, 76 dms, Beyrouth; 470 bbls, 11 dms, 1,349 cs, Lisbon; 206 dms, 113 cs, Alexandria; 497 dms, 1,451 cs, Istanbul; 5 bbls, Oporto; (Belgian Gulf) 1,535,327 gls, Antwerp; 143,306 gls, Rotterdam; 1,036,338 gls, 6,845 bbls, Marcus Hook, London
PAINT—3 ctns, 1 bx, Wichita, Manila
PARAFFIN — 28 bbls, Independence Hall Havre; (San Rafael) 250 bgs, Valparaiso; 50 bgs, Pisco; 150 bgs, Mollendo; (Lehigh) 213 bbls, Liverpool; 213 bbls, Dublin; 128 bbls, Belfast; 85 bbls, Glasgow
REFINED—1 ctn, Sarcoxie, London
PETROLATUM—12 dms, Lehigh, Manchester
PITCH, OPTICAL—1 ctn, Wichita, Manila
POLISH, AUTO—24 pkgs, Maasdam, Amsterdam; 100 ctns, Independence Hall, Havre; 1 ctn, Wichita, Manila; 1 cs, Exminster, Istanbul
METAL—6 ctns, Wichita, Manila
OPTICAL, POWD—1 kg, Wichita, Manila
RESIN, GUM—34 bdls, Wichita, Manila
SYNTHETIC—2 pkgs, Maasdam, Rotterdam; 4 bxs, Sarcoxie, London
2 bxs, Lehigh, Liverpool
RUBBER COMPOUND AGENTS—6 dms, Argentino, Buenos Aires
SOAP—6 cs, Kota Inten, Bangkok; 8 ctns, Wichita, Manila
TANNING FINISH, COMP—30 bdls, 2 dms, Wichita, Manila
TIRE COATING COMP—5 ctns, Wichita, Manila; 2 cs, Exminster, Istanbul
TOLUOL—50 dms, Argentino, Buenos Aires
TOP DRESSING, AUTO—22 ctns, Wichita, Manila
WAX, FLOOR—2 ctns, Wichita, Manila
POLISHING—2 cs, Exminster, Istanbul

Port Arthur Exports
Clearance Dates

Aase Maersk, August 12; Haughton Hall, August 9; Marit, August 11; Naptha Shipper, August 10; Nina Borthen, August 10; Spidoliene, August 11

ASPHALT, PETROLEUM—(Haughton Hall) 8 bxs, Karachi; 45 dms, Calcutta
BLENDING FLUID—19 bbls, Nina Borthen, La Coruna
GASOLINE—73,520 bbls, Nina Borthen, La Coruna
GREASE, LUBRICATING—(Haughton Hall) 20 cs, Alexandria; 71 cs, 30 dms, Karachi; 245 dms, 490 cs, Bombay; 300 cs, Madras; 60 dms, 90 cs, 5 pb cs, Calcutta; (Spidoliene) 223,249 bbls, Antwerp; 89 wd bbls, 15 hlf bbls, 416 dms, 5 cs, Rouen
OIL, FUEL—46,711 bbls, Marit, Flushing
GAS—68,682 bbls, Aase Maersk, Rieme
LUBRICATING—(Spidoliene) 25,378 bbls, Antwerp; 21,270 bbls, 205 dms, Rouen
LUBRICATING, BLACK—(Haughton Hall) 20 dms, 5 pb cs, Karachi; 95 dms, Calcutta
LUBRICATING, PALE—(Haughton Hall) 140 dms, 60 cs, Alexandria; 805 dms, 110 cs, Karachi; 1,452 dms, 265 cs, Bombay; 140 dms, 275 cs, Calcutta
PETROLEUM, CRUDE—3,419 tons, Naptha Shipper, Trieste

San Francisco Exports
Clearance Dates

Brimanger, July 28; Capac, July 27; Eskbank, July 26; Javanese Prince, July 30; Kimikawa, July 30; Kingsley, July 25; Lacklan, July 26; Nyhorn, July 23; President Coolidge, July 29; Rialto, July 30; Thorsholm, July 29; Vinni, July 25

ABRASIVE PAPER—2 bdls, Capac, Arequipa; 3 bdls, President Coolidge, Manila
ACETONE—(Capac) 2 dms, Buenaventura; 1 cs, San Salvador
ACETYLENE—40 cyls, Capac, Puntarenas
ACID, FATTY—60 sks, Capac, San Jose de Guatemala
INORGANIC—1 cs, President Coolidge, Hongkong
MURIATIC—12 crbys, Capac, Amapala; 1 cs, President Coolidge, Hongkong
NITRIC—(Capac) 2 cs, Amapala; 5 crbys, San Salvador
ORGANIC—1 cs, Capac, Mazatlan
AMMONIA, ANHYDR — 31 cyls, Eskbank, China; 41 cyls, President Coolidge, Manila
ANTI FREEZE SOL—16 dms, Javanese Prince, Shanghai
APRICOT KERNELS — 45 sks, Brimanger, Holland
ASPHALT—(Capac) 5 cs, La Union; 468 bbls, Acajutla
CRUDE—(President Coolidge) 103 sks, Yokohama; 105 sks, Kobe
GILSONITE — 258 sks, President Coolidge, Osaka
BENZOL—90 dms, Vinni, Japan; 9 cs, Eskbank, China
BIOLOGICALS — 43 cs, President Coolidge, Hongkong, 1 cs, Capac, Amapala
VETERINARY — 1 cs, President Coolidge, Manila
BITUMINOUS PREP—26 kgs, Capac, Arequipa
SOLUTION—1 cs, Brimanger, Moscow
BLACK, CARBON—50 cs, Eskbank, China; (President Coolidge) 48 cs, Tokio; 24 cs, Osaka; 57 cs, Hongkong; 25 cs, Canton; 8 cs, Nagoya
BLEACHING POWDER—6 dms, Capac, La Libertad; 5 dms, President Coolidge, Hongkong
BLUE, LAUNDRY—42 cs, President Coolidge, Manila
BONE ASH—2 bbls, Capac, Corinto
FLOUR—500 sks, Kingsley, Vancouver
BORAX—2 cs, 20 sks, President Coolidge, Manila; 10 kgs, Eskbank, Philippine Islands
GLASS—(Capac) 30 cs, Amapala; 2 cs, Mazatlan
GRANULATED—40 kgs, Capac, Mazatlan
BRAKE FLUID—2 cs, Brimanger, Moscow
BRONZE POWDER—2 cs, Brimanger, Mexico
CALCIMINE—5 cs, Capac, San Salvador
CALCIUM ARSENATE—6 pkgs, Capac, Manzanillo
CHLORIDE—1 dm, Kingsley, Vancouver; 5 dms, President Coolidge, Manila
CARBON BISULPHIDE—(Capac) 11 dms, Corinto; 2 dms, San Jose de Guatemala
DIOXIDE—2 cyls, President Coolidge, Manila
CATGUT—2 cs, President Coolidge, Hongkong
CATTLE HOOFS—205 sks, Vinni, Japan
CHEMICALS—1 cs, Eskbank, Philippine Islands; 580 cs, President Coolidge, Manila
PHOTO—12 dms, President Coolidge, Manila
CHLORINE BLEACH, LIQ—4 cs, President Coolidge, Manila
LIQ—32 cyls, Eskbank, Philippine Islands
CHLOROFORM—2 cs, President Coolidge, Hongkong
CINNAMON—(Capac) 10 bls, San Jose de Guatemala; 2 bls, Corinto; 10 bls, La Libertad; 3 bls, Puntarenas; 4 bls, Amapala
CLEANER—1 cs, Kingsley, Vancouver; 1 cs, President Coolidge, Bangkok; 3 cs, Capac, San Jose de Guatemala; 1 cs, Javanese Prince, Shanghai; (President Coolidge) 20 cs, Yunnanfu; 3 cs, Manila
LIQUID—10 cs, President Coolidge, Hongkong
SHOE—(Javanese Prince) 6 cs, Shanghai; 13 cs, Rizal
COALTAR—2 dms, Capac, Mazatlan; 5 cs, President Coolidge, Manila
CLOVES—(Capac) 3 sks, Acajutla; 1 sk, Puntarenas; 5 sks, La Libertad; 2 sks, San Jose de Guatemala
COLOR'S DRY—(President Coolidge) 1 cs, Bangkok; 3 kgs, Yokohama; 1 sk, Manila; 40 cs, Capac, San Jose de Costa Rica
CORKBOARD—93 cs, President Coolidge, Manila
CREAM TARTAR—1 bbl, Capac, Tegucigalpa
CUMIN SEED—(Capac) 5 sks, La Libertad; 3 sks, Amapala
DENTIFRICE—2 cs, Javanese Prince, Rizal
DISINFECTANT—1 cs, Javanese Prince, Rizal; 2 cs, Capac, Corinto
DRESSING, LEATHER—4 kgs, Eskbank, China
DYE, ANILIN—1 pl, Kingsley, Vancouver
LEATHER—1 cs, President Coolidge, Tientsin
EPSOM SALT—5 kgs, Capac, Mazatlan
ETHER—3 cs, Eskbank, China
FILLER, WOOD — 2 cs, President Coolidge, Bangkok
FILTER CLOTH — 1 cs, President Coolidge, Manila
PAPER—1 cs, Capac, Mazatlan; 2 cs, Kingsley, Vancouver
FIRE EXTINGUISHER CHARGES—1 cs, Capac, La Union
FLUX—1 cs, Capac, Guayaquil; 2 dms, President Coolidge, Manila
FLY SPRAY—1 cs, Capac, Corinto; (President Coolidge) 23 cs, Hongkong; 20 cs, Manila
FULLER'S EARTH—3,500 sks, Capac, Talara
GASOLINE—25 cs, Capac, Corinto
CASING HEAD — 5,596 bbls, Thorsholm, Japan
GLAUBER'S SALT — 1 bbl, Capac, Tegucigalpa
GLUCOSE—4 cs, President Coolidge, Hongkong
GLUE, VEGETABLE—13 kgs, 2 bbls, Kingsley, Vancouver
GLYCERIN—7 cs, 13 kgs, 5 dms, Capac, Mazatlan; 10 cs, President Coolidge, Hongkong
GRAPHITE—1 cs, Kingsley, Vancouver
GREASE, LUBRICATING—59 dms, Kingsley, Vancouver; (Capac) 1 pl, Corinto; 27 pls, 6 dms, 5 cs, La Union; 14 cs, San Jose de Guatemala; (President Coolidge) 1 cs, Hongkong; 30 dms, 25 pls, 7 cs, Manila
GYPSUM—3 cs, President Coolidge, Hongkong
CALCINED—100 sks, President Coolidge, Manila
HOPS—(President Coolidge) 15 cs, Hongkong; 5 cs, Manila; 5 cs, Javanese Prince, Shanghai
INK, PRINTING—(Kingsley) 6 dms, Victoria; 37 pls, Vancouver; 10 pls, 2 kgs, 2 cs, 1 half bbl, 76 dms, Eskbank, China; (Capac) 20 dms, 50 pls, Callao; 25 dms, 20 pls, Valparaiso; 5 pls, 5 half bbls, 10 cs, President Coolidge, Manila; 3 cs, Rialto, Panama
INSECTICIDE—6 bbls, Eskbank, Bangkok; 5 bbls, Capac, Tegucigalpa; 2 cs, President Coolidge, Manila
AGRICULTURAL — 42 cs, 37 sks, Rialto, France
KELP MEAL, DRIED—82 sks, President Coolidge, Hongkong
KEROSENE—(Capac) 25 cs, Corinto; 400 cs, San Jose de Guatemala; 2,986 bbls, Javanese Prince, Hongkong
LACQUER—24 pls, Capac, Mexico; 1 cs, Brimanger, Moscow
ACETATE—16 kgs, Brimanger, Moscow
NITRATE—70 kgs, 13 cs, Brimanger, Moscow
THINNER—(Capac) 2 dms, Mazatlan; 4 dms, Mexico; 69 cs, Brimanger, Moscow; 20 pls, Rialto, Panama
LEAD, POWDER—2 cs, Eskbank, Philippine Islands
RED—1 dm, Kingsley, Vancouver; 10 kgs, President Coolidge, Manila
RED, DRY—20 dms, President Coolidge, Manila
LITHARGE—1 dm, Kingsley, Vancouver; 20 dms President Coolidge, Manila
LUBRICANT—1 pl, Capac, Corinto
MEDICINAL PREPS—(President Coolidge) 2 cs, Manila; 7 cs, Hongkong
METAL RESIDUE—16 sks, Nyhorn, Enland
METHYL BROMIDE—1 cs, President Coolidge, Bugo
CHLORIDE GAS—2 cyls, President Coolidge, Manila
MILK POWDER—3 bbls, President Coolidge, Manila
MINERAL SPTS—(Capac) 50 dms, Valparaiso; 20 dms, Toconilla; 10 dms, Antofagasta
MUSTARD—10 bbls, Kingsley, Vancouver
NITROCELLULOSE—2 dms, Kingsley, Victoria
NITROUS OXIDE—1 crt, President Coolidge, Manila
NUTMEGS—(Capac) 2 sks, Acajutla; 2 sks, San Jose de Guatemala
OIL, COCONUT—(Capac) 25 cs, Puntarenas; 10 dms, San Jose de Guatemala; 5 dms, Guatemala; 10 dms, Kimikawa, Cuba
CREOSOTE—10 cs, Capac, Mazatlan
CYLINDER—4 dms, Capac, Hongkong
DIESEL—(Lacklan) 66,120 bbls, Shanghai; 21,247 bbls, Hongkong; 4,960 bbls, Eskbank, China; 50 dms, Capac, Tegucigalpa
LINSEED—1 pl, Eskbank, China; 1 dm, 120 cs, President Coolidge, Manila
LUBRICATING—(Kingsley) 186 dms, 221 cs, Vancouver; 500 dms, Shellburn; 250 dms, Eskbank, China; (Capac) 7 dms, Corinto; 2 dms, Champerico; 22 dms, 5 pls, La Union; 25 dms, 15 cs, San Jose de Guatemala; 95 dms, Valparaiso; (President Coolidge) 221 cs, 504 dms, Manila; 1 cs, Singapore; 200 dms, Kobe; 140 dms, 5 cs, Hongkong; 50 dms, Yokohama; 10 dms, Kimikawa, Netherlands West Indies
MIRBANE—1 cs, Capac, Corinto
MOTOR—5 pls, Capac, Corinto
PALM, ACIDULATED—25 dms, Kimikawa, Cuba
PINETAR—1 dm, Kingsley, Vancouver
TRANSFORMER—(President Coolidge) 2 cs, Bangkok; 1 cs, Dairen
WHALE—3 dms, Capac, Santa Telca
PAINT—(Capac) 29 pls, 2 dms, Mexico City; 2 dms, Puntarenas; 10 pls, Mazatlan; 20 pls, Potosi; 33 cs, 10 kgs, San Salvador; 51 cs, Arequipa; 121 cs, 6 kgs, Guatemala; 3 cs, Brimanger, Moscow; (President Coolidge) 13 dms, 120 kgs, 355 cs, Manila; 7 cs, 11 kgs, Bangkok; 9 dms, Rialto, Canal Zone
ALCOHOL RESISTANT—3 cs, Brimanger, Moscow
ALUMINUM—10 kgs, President Coolidge, Manila
CEMENT—1 cs, President Coolidge, Bangkok
ENAMEL—(Capac) 49 pls, 1 cs, Mexico; 4 cs, Arequipa
LIQUID—30 cs, President Coolidge, Manila
PASTE—1 cs, Kingsley, Vancouver
PREPARED—18 cs, Kimikawa, Peru
SURFACER—7 cs, Brimanger, Moscow
THINNER—6 dms, Capac, Mexico; 15 cs, Brimanger, Moscow
PARAFFIN—400 sks, Capac, Callao
PASTE FILLER—1 cs, Capac, Panama
PEPPER, BLACK—(Capac) 5 sks, San Jose de Guatemala; 4 sks, Acajutla; 6 sks, La Libertad; 10 sks, San Salvador; 20 sks, Rialto, Singapore
PETROLATUM—20 cs, 20 pls, Kingsley, Vancouver; 10 cs, President Coolidge, Hongkong; 1 cs, Javanese Prince, Rizal
PETROLEUM—300 dms, President Coolidge, Kobe
CRUDE—96,186 bbls, Thorsholm, Japan
GAS, LIQ—1 cs, Kingsley, Shellburn
REFINED—800 cs, Capac, San Jose de Guatemala
PINETAR—1 dm, Capac, Amapala
POLISH—1 cs, President Coolidge, Manila
FURNITURE—1 cs, Kingsley, Shellburn; 6 cs, Javanese Prince, Rizal
METAL—5 cs, President Coolidge, Manila; 6 cs, Javanese Prince, Rizal
SHOE—5 cs, Eskbank, Philippine Islands; 3 cs, Capac, Amapala; 1 cs, President Coolidge, Manila; 3 cs, Javanese Prince, Shanghai
SILVER—4 cs, Eskbank, Philippine Islands
WAX—5 cs, Eskbank, Philippine Islands
POTASH CAUSTIC—93 dms, Nyhorn, England
COMPOUND—1 cs, President Coolidge, Hongkong
IODIDE—1 cs, President Coolidge, Hongkong
POTASSIUM XANTHATE—8 dms, Kingsley, Vancouver, 20 dms, Capac, Oruro
PRESERVER, FABRIC—58 cs, Brimanger, Moscow
PUTTY—(Capac) 1 bbl, Champerico; 1 cs, Mexico; 10 kgs, Guatemala; 1 cs, Puntarenas; 1 cs, Brimanger, Moscow
QUICKLIME—(Capac) 2,222 dms, Supe; 400 dms, San Juan del Sur
QUICKSILVER—1 flsk, Capac, La Union; 13 flsks, Kingsley, Vancouver
ROSIN—1 bbl, Kingsley, Vancouver
ESTER—10 dms, Kingsley, Victoria
GUM—2 bbls, President Coolidge, Yokohama
RUBBING COMP—1 cs, Capac, Arequipa
SALT—515 tons, Kingsley, Vancouver; 150 sks, President Coolidge, Manila
SAND, SILICA—30 sks, Eskbank, Philippine Islands
SEALING COMP—10 cs, President Coolidge, Manila
SHELLAC—4 cs, Capac, La Libertad; 4 cs, President Coolidge, Manila
SOAP—1 cs, Eskbank, China; (Capac) 4 cs, Managua; 2 cs, Quezaltenango; 1 cs, Rialto, Ibague; 2 cs, Javanese Prince, Shanghai
DRY CLEANING—1 dm, President Coolidge, Manila
FLAKES—36 cs, President Coolidge, Hongkong
LAUNDRY—(President Coolide) 4 cs, Hongkong; 100 cs, Shanghai
LIQUID—1 dm, Kingsley, Vancouver
MEDICATED—6 cs, Javanese Prince, Rizal
TOILET—1,230 cs, President Coolidge, Shanghai; (Javanese Prince) 900 cs, Shanghai; 6 cs, Rizal
SODA—(President Coolidge) 5 bbls, Tientsin; 3 bbls, 14 cs, Shanghai
ASH—12 sks, Capac, La Libertad; 10 bbls, President Coolidge, Hongkong
BICARBONATE—(Capac) 5 kgs, Mazatlan; 1 bbl, Tegucigalpa
CAUSTIC—(Capac) 16 dms, La Libertad; 5 dms, San Jose de Guatemala; 58 dms, Mazatlan
SILICATE—467 sks, President Coolidge, Manila
WASHING—1 sk, Capac, San Jose de Guatemala
SOLUTIONS—(President Coolidge) 9 cs, Manila; 4 cs, Singapore
SOLVENT, DRAIN-PIPE — 2 cs, President Coolidge, Hongkong
SPONGES—1 cs, President Coolidge, Tokio
SULPHUR—26 bbls, Capac, Acajutla; 20 sks, President Coolidge, Acajutla; 20 sks, President Coolidge, Manila
TALLOW—(Capac) 115 dms, Panama; 85 dms, San Jose de Guatemala; 160 dms, Guayaquil; 175 dms, Panama City; 110 dms, Panama; 5 dms, Amapala
TAPIOCA—1 sk, Capac, San Jose de Guatemala
FLOUR—2 sks, Capac, Tegucigalpa
TOILET PREPS—24 pkgs, Kingsley, Vancouver; 4 cs, Vinni, Japan; 3 cs, Capac, San Jose de Guatemala; 5 cs, Eskbank, China; (President Coolidge) 1 cs, Yokohama; 94 cs, Hongkong; 15 cs, Bangkok; 2 cs, Manila; (Javanese Prince) 3 cs, Canacao; 8 cs, Rizal
TURPENTINE—72 dms, Vinni, Japan; 82 cs, President Coolidge, Manila
WOOD—15 dms, President Coolidge, Osaka
VARNISH—(Capac) 2 pls, Corinto; 4 dms, 4 pls, Mexico; 2 cs, San Salvador; 12 cs, Arequipa; 3 cs, Guatemala; 4 cs, Brimanger, Moscow; (President Coolidge) 12 cs, Hongkong; 53 cs, Manila; 3 cs, Kimikawa, Peru
REMOVER—4 cs, Capac, Arequipa; 20 cs, President Coolidge, Manila
WATER, AROMATIC—7 bbls, Capac, Tegucigalpa
MINERAL—400 cs, President Coolidge, Manila
WAX, FLOOR—1 dm, Kingsley, Vancouver
YEAST—(President Coolidge) 160 cs, Kobe; 240 cs, Yokohama
ZINC CHROMATE PRIMER—12 cs, Brimanger, Moscow
DUST—(Capac) 30 cs, Corinto; 45 cs, Mollendo; 75 cs, Amapala; 200 dms, Manzanillo; 10 cs, La Union; 42 cs, Rialto, Venezuela

Savannah Exports
Clearance Dates

Monrosa, August 12; Saccarappa, August 13; Tweedbank, August 11

CLAY—2,640 bgs, Saccarappa, Liverpool
COTTON LINTERS—(Saccarappa) 479 bls, Manchester; 25 bls, Hamburg; 468 bls, Monrosa, Genoa
GLUCOSE—(Tweedbank) 100 bbls, Manila; 15 bbls, Iloilo
ROSIN, GUM—(Saccarappa) 1,633 bbls, Liverpool; 250 bbls, Manchester; 139 bbls, Hamburg; 150 bbls, Czechoslovakia; 100 bbls, Tweedbank, Shanghai; (Monrosa) 791 bbls, Genoa; 29 bbls, Naples
WOOD—355 dms, 210 bbls, Saccarappa, Liverpool; 100 bbls, Tweedbank, Shanghai
TURPENTINE GUM—(Saccarappa) 450 bbls, Liverpool; 1,000 bbls, Manchester

Tampa Exports
Clearance Date

Cuba, August 10; Erik Frisell, August 10

PAINT—2 cs, Cuba, Havana
PHOSPHATE—(Erik Frisell) 1,473 tons, Nordenham; 1,512 tons, Hamburg

Coastwise Shipments

Corpus Christi Coast Trade

GASOLINE—79,686 bbls, Beaconhill, Baytown
PETROLEUM, CRUDE—57,344 bbls, Paco, Texas City; 27,065 bbls, Alabama, Port Neches; 43,902 bbls, Dannedaike, Texas City; 66,985 bbls, Pennsylvania, Port Neches; 113,619 bbls, E M Clark, Baytown; 113,103 bbls, H H Rogers, Baytown; 112,900 bbls, J A Moffett, Jr, Baytown; 114,217 bbls, Walter Jennings, Baytown; 111,899 bbls, Wm G Warden Baytown

Los Angeles Coast Trade

GASOLINE—9,459 bbls, San Diegan, San Diego; 73,443 bbls, Dirigo, San Francisco; 80,750 bbls, Huguenot, Seattle; 7,155 bbls, San Diegan, San Diego; 74,000 bbls, Olney, Portland; 30,048 bbls, Edwin B de Golio, Tacoma
OIL, DIESEL—7,000 bbls, Olney, Portland
FUEL—2,198 bbls, San Diegan, Portland; 50,277 bbls, Topila, Longview; 70,000 bbls, Pat Doheny, Martinez
GAS—6,972 bbls, Edwin B de Golio, Tacoma
LUBRICATING—2,600 bbls, R J Hanna,

Recent Charters

CREOSOTE—4,500 tons, S S Svenor, United Kingdom to Pacific Coast, £7,000 (sterling); September
MANGANESE ORE—10,000 tons, S S ——, Mormugao to Antwerp, 22s; October-November
9,000 tons, S S Federiko Glavic, Rio de Janeiro to Rotterdam, 10s, f o b, 1s discharge; August
PETROLEUM—3,179 tons, S S J J Coney, light crude, Gulf to North of Hatteras, 15c barrel; end August
12,000 tons, S S Athos, time charter, ten years, delivery Europe, 5s 10½d to Ancap; May-July, 1939
4,504 tons, S S Noreg, dirty, Aruba to United Kingdom, Continent, 10s; October
3,340 tons, S S Bianca, dirty, Gulf to North Spain; October-November
4,022 tons, S S Minister Wedel, dirty, Aruba to United Kingdom, Continent, 10s; option Gulf loading, 12s; September
PHOSPHATE—5,000 tons, S S Monselet, Sfax to Bordeaux, 6s 9d; August

Cargo Ship Arrivals and Imports Detained appear on page 58

Chemical Business Sentiment Tends to Optimism

—*Continued from page* 3

Chemicals

H.G. Mackelcan

Vice-President in Charge of Sales, Innis, Speiden & Co.

It is our belief that buyers have continued a hand-to-mouth policy of purchasing because of their inability to judge their future requirements due to the unusual conditions which we are all facing. Therefore, it is my belief that manufacturers' inventories are below normal, and with any sustained upturn in business, an immediate demand will be created for raw materials.

Some of our economists have told us that the recession would last about six months, and if their prognostication is correct, then we ought to be facing an improvement in general business conditions. Naturally, we would like to see this increase and with it more numerous orders, and we are prepared both with goods and organization to supply a demand for the balance of 1938 to have it equal that of 1937 as a year.

I don't think there ever was a time in which Mr. and Mrs. America were more in need of materials of all kinds, and with any assurance of confidence in the future, I feel sure we will see a rapid improvement.

Ordinarily the months of July and August are rather quiet owing to general Summer dullness, hot weather, vacations, and so on, but I am pleased to say there has been an improvement in July over June and August bids fair to indicate a sustained improvement, and with any resumption of customary Fall buying, I am really hopeful that this condition will be sustained. I realize that the present improvement, which most readers know is happening, can be greatly improved or greatly interrupted by national or international political situation changes.

Henry Bower

Vice-President, Henry Bower Chemical Manufacturing Company.

Business in one of our principal lines is running a few percent ahead of last year for the first six months. However, on an equally important item our business has fallen to a low point, which I do not recall that we ever before reached, certainly not in the early part of the depression.

Like everyone who is intimately associated with the chemical industry, I am extremely optimistic over the possibility of its future attainments, but I fear that the chemical industry can be no exception to industry in general over the years to come. Unless we are given sound political and labor leadership in the future, all industry will continue to suffer.

In the meantime it seems to me that we should fight for the ideals and fundamental honesty which have in the past served even the under-privileged one-third so well.

J. L. Brenn

President, National Association of Insecticide and Disinfectant Manufacturers

Business in the insecticide and disinfectant industry, from the information I have been able to gather, has been quite satisfactory the first half of this year, and I would say roughly that the volume shipped has been only about 10 percent behind the comparable period last year. The current quarter has been showing a substantial improvement, and there are many cases where sales the past six weeks are as good as or better than they were last year; so, I'm convinced that the year 1938 will wind up in excellent shape.

The only alarming thing I have noticed is the tendency to cut prices beyond any reasonable limit, and, of course, this is bound to reflect itself in substantially reduced profit margins. There is the feeling in some outstanding groups that all this does not look so well for the coming year's business, and some are even going so far as to say the present period can be likened to the Fall of 1931, when everything seemed to be on the upgrade and was followed by that drastic drop of 1932.

A statement like this may not look so very good on paper but it is the feeling of some very influential people in our particular industry, and I'm inclined to give some weight to it.

John A. Chew

Distributor of Industrial and Fine Chemicals

Withdrawals, both contract and spot, have steadily increased with us since May. July, normally a slow month, was most active, in fact, one of our best for 1938.

While we are keeping our fingers crossed, we are, in view of this trend, which has been well sustained for the past four months, most optimistic over the Fall outlook. Beyond that period we dare not even hazard a guess—it's in the laps of the gods and our "statesmen."

Paints, and Varnishes

Building construction permits, according to the United States Department of Labor, jumped 40.8 percent in July, and they have maintained a comparable trend. The permits in July were reported to have been 48.6 percent more than in July, 1937. A gain of 61 percent over the 1937 month was reported in home financing in July by the Federal Housing Administration. These improvements, and others, were reflected in sentiments expressed by leaders of the paint, varnish, and lacquer industry.

Ernest T. Trigg

President, National Paint, Varnish and Lacquer Association

Based on the monthly sales reports of the Department of Commerce, which we estimate represents 80 percent of the total volume of business, our sales have shown progress from the low point of January for each succeeding month. January sales were 29.7 percent behind January of 1937. For the first two months of this year the decrease as against last year was 28.4 percent. For the first three months, the decrease was 26 percent; for the first four months, 25.8 percent; for the first five months, 24.1 percent; and for the six months ended June 30, the decrease had dropped to 23.2 percent. While this is still a substantial decrease, the fact that the percentage of decrease has become less each month this year is encouraging.

Reports which we have received during July and August indicate more definite improvements, and we have every reason to believe that the next figures received will show the decrease even more substantially reduced.

There is a better feeling throughout our industry generally and throughout industry as a whole. While this better feeling has not been converted as yet into substantial volume, there is every indication that it will do so and that the Fall business will be comparatively quite satisfactory.

As a matter of fact, it may not be too much to expect that the increase in volume over the balance of this year can be sufficient to bring the total for 1938 close to, if not fully up to 1937. It will be remembered that about a year ago new business started on a rapid downward course which got worse each month to the end of the year. This year we seem to be going in the opposite direction and should enjoy an increasing volume of business for the remaining months of the year.

Large amounts of money to be distributed through government agencies will be spent in some form or other. This cannot help but have a stimulating effect on business so long as it continues, and it is our belief that our industry will benefit by such expenditures and by the better feeling of confidence over the remaining months of 1938.

Adrian D. Joyce

President, The Glidden Company

With respect to the outlook for business in the paint, varnish, and lacquer industry, I can only say that present indications are that we will have a decided pick-up in this industry during the Fall months. The increase in building operations throughout the country has stimulated the use of decorative paints and finishes, and the general improvement in industrial conditions is beginning to reflect itself in an increased demand for paints, varnishes, and lacquers.

The new fiscal year for The Glidden Company begins November 1, and we are laying our plans for a very decided increase in our business on paints, varnishes, and allied products.

Fertilizers

Charles J. Brand

Executive Secretary and Treasurer, National Fertilizer Association

The decline in prices of farm products and in farm income, which began in the latter part of last year, has resulted in a moderate curtailment of fertilizer purchases. The farmer is the fertilizer industry's only customer, practically speaking, and when his income falls off he is likely to buy less fertilizer, as well as smaller quantities of other commodities.

Farm cash income in the first half of this year, including government payments as well as receipts from marketings, was 13 percent smaller than in the corresponding period of 1937; receipts from crop sales were down 20 percent. As a result of this decline in farm purchasing power, sales of fertilizer have run about 11 percent below last year.

Total fertilizer consumption in the United States in the fiscal year ended with June is placed at approximately 7,375,000 tons, compared with 8,200,000 tons in the calendar year 1937, which marked an all-time peak. With the exception of last year, the 1937-38 tonnage is the largest for any year since 1930.

At the present time declining prices for cotton and grains indicate a continuation of the recession in farm purchasing power over the next few months. It seems likely, however, that any further drop which might take place will be neither very pronounced nor extended over a long period. The decline in income will be cushioned by the program of crop control and government loans.

Fall sales of fertilizer are important in some areas in the Middle West, where a substantial tonnage is used on the winter wheat crop, but for the country as a whole the Fall business is relatively small. About 75 or 80 percent of the year's business is accounted for the Spring months.

By the time farmers buy their fertilizer next Spring it is quite possible that the upturn in farm income will have arrived. The decline in incomes of urban workers has been halted and it is the consensus that the bottom of the business recession has been passed. Improvement in demand for farm products should be reflected in a reversal of the downward trend in farmers' incomes within the next several months.

Factors other than farm purchasing power point to a continued rise in the use of fertilizer. The soil conservation program has stimulated interest in the use of fertilizer on pastures and grasslands, and has resulted in a marked rise in the amount used for this purpose. Educational activities of the industry constitute a constructive factor in the outlook. Fertilizer prices are reasonable, in comparison with other commodities.

These factors combined with the improved outlook for general business indicate that the current fiscal year for the fertilizer industry should prove to be a satisfactory one.

Drugs, Pharmaceuticals

John F. Anderson, M.D.

President, American Drug Manufacturers Association

I think anyone would be rash to make a prediction concerning the business outlook in this country. However, it is known that the pharmaceutical and drug industry is more stabilized than many other industries, such as those for building, steel, automobiles, as well as certain lines of consumer products.

It is a fact that the morbidity or sickness rate for the population as a whole rises in times of depression and declines in times of business prosperity. This is because the sickness rate is closely associated with the daily income of the individual, who, because of economic conditions, does not have available a satisfactory living regime and therefore is more suspectible to certain diseases and, in addition, is likely to develop conditions due to deficiency of vital principles in his food.

On the other hand, in times of business activity and increase in employment there is more available money to be spent for some of the things manufactured by the drug and cosmetic industry which, while almost necessities, may be dispensed with in times of economic stress.

For these reasons, I am of the opinion that it may be expected, irrespective of the present trend of industry, that the pharmaceutical and drug industry will maintain or excel its present volume, and that the total volume of business done by the pharmaceutical and drug industry for 1938 may equal or exceed that for 1937.

Carroll Dunham Smith

President, American Pharmaceutical Manufacturers Association

Outsiders look on the practice of medicine and the business of the pharmacist as of such necessity that they may be less affected by depression than are many other businesses. That may be partly true, but it is nonetheless very definitely true that, when business in general is bad, people get along with less medical attention and with less purchases of medical supplies.

As we look over the financial reports we note very material losses incurred by well-known concerns in various lines, but it is encouraging to note substantial profit in many companies in the drug and allied businesses. In fact, there are some encouraging details.

The Department of Commerce reports that the sales of manufacturers of pharmaceuticals and proprietary medicines during June, 1938, increased 5 percent above June, 1937, and 12 percent above May. That is excellent. Rather surprisingly, sales of drugs and drug sundries during June declined 6 percent as compared with 1937, although they were up 5 percent as compared with May.

Since the first of June the value of securities listed on the New York Stock Exchange has leaped $10,000,000,000, Babson reports. He reports that this skyrocketing of security prices in a few weeks represents 45 percent of the loss in values suffered over the last year and a quarter.

My own belief is that there has been ample time for very material decrease in manufactured stocks since the present depression started, nearly a year ago, and the upturn that may naturally be expected in the Fall may very easily cause improvement all along the line, because of the need for replenishing stocks of merchandise that have been allowed to drop to a low ebb during the last few months.

It is my conviction that those members of the drug and chemical industry who refuse to be afraid, who go out vigorously after business, and who intelligently try to create business, will experience during this Fall and Winter a satisfactory upturn.

As I have said, in season and out, I believe a very menacing movement that will affect the drug business is the probability of an extension of government-controlled medicine. I believe the wise course of all connected with the practice of medicine and with the business of supplying medicine should be, not to blindly oppose change, but to do their utmost to see to it that free medical service is provided for the indigent but that it be strictly confined to those really unable to pay.

I am convinced state medicine as planned by the Federal administration will go far beyond this plan. It will mean the permitted cost of a prescription will be so low as to be unprofitable. Effort on the part of the physician to improve will be discouraged and the efficacy of medical care lowered. An army of officeholders at the expense of the taxpayers will direct and hamper all medical cases.

We should not encourage pauperism by generously supplying all the necessities of life to those unwilling to do their share of the work of life. We should exert ourselves in every direction while we care for the unfortunate and needy to see to it that our charities are not imposed upon us, and that the medical profession and the drug business are not directed, or at least subjected, to severe strain through the unwise extension of charity.

Charles L. Huisking

President, Charles L. Huisking & Co.

What lies ahead? The drug trade too is enmeshed in the kaleidoscopic atmosphere that seems to permeate everything today. Unlike some other lines of industry, our trade usually does not swing with the same vehemence to one side or the other, but in this year we too have gotten the full effects of the lowered consumption and purchasing power of the public. An analysis and perspective of things as they are today

indicate very clearly that underlying it all is the need for basic change and that, while stocks and inventories need to be replenished, such action is always postponed with the suggestion, "better wait to see what happens." Tomorrow is an unknown quantity; so, everything is stymied.

I am confident that business in October, November, and December is going to be better and easily the best we have had all through the year. How far the improvement will carry through next year depends on how often the blanket is lifted from the patient's face to let him breathe.

John G. Searle

President, G. D. Searle & Co.

The pharmaceutical industry has not alone suffered from the current business depression, but also has been affected adversely over the last twelve months by most unusual weather conditions.

I believe that, with all the additional pump-priming which is planned by the present political administration, undoubtedly there will be considerably more money available for consumer goods. This should have a direct effect on the pharmaceutical industry and should create more demand for the items offered.

I believe the possibility of maintaining and increasing business over the next six to nine months is a great deal better than it has been in the period just passed.

Botanical Materials

S. B. Penick

President, S. B. Penick & Co.

I am afraid even with experienced observers it would, at the moment, be difficult to express a dependable opinion on the outlook of business in botanical drugs and related products for the balance of the year. Some sixty days ago we felt quite optimistic for a moderate return of satisfactory business activity. At present we feel somewhat less hopeful.

Little seems to be lacking to bring about good business conditions beyond confidence. All major factors seem ready and in good shape for much activity in the coming Fall and Winter. We must all, however, have some encouragement from Washington that will give us reason to feel safe in going ahead.

Inventories are low. There is little or no weakness in raw materials. There is much strength and imminent advances in many important items, and we hope that the necessary impetus may soon develop.

If, therefore, confidence cannot be captured, I can see little to build on in the near future. It is probably the wisest course to prepare for a period of fair business shortly, if done upon a conservative basis.

Jesse L. Hopkins

President, J. L. Hopkins & Co.

Looking out on turbulent foreign conditions and the beginning of election campaign uncertainties in our own country, one man's ideas of the future may be as reliable as another's. Nevertheless—

In an article which expressed my estimate of 1938, published the beginning of last January, I anticipated that the first and second quarters of this year could not come up to corresponding 1937 quarters. I ventured that the third quarter of 1938 would begin to show improvement, and that the final quarter would show a balance for the entire year equal in every way to 1937. I have found no reasons for changing my mind.

Business, currently, is better than it has been during the preceding months of 1938. Nevertheless, the urgent need continues for taking the "axe" out of taxes, to relieve substantially the overhead cost of doing business. I have in mind, not the normal Federal taxes levied on all of us, but the burdensome municipal and State assessments generally overlooked in totalling up the aggregate tax bill handed to business for payment.

C. A. Staylor

Purchasing Department, McCormick & Co.

It is quite difficult for us to give you a concise story as to the outlook in business on botanical insecticides. The following expressions herein are certainly one individual's viewpoint.

With abnormal conditions in Japan, together with a smaller crop of pyrethrum flowers this season, prices increased considerably on the raw material. This has necessitated advanced prices on some lines and certainly eliminates any thought of lower prices where a standard quality is to be maintained.

Prices are being held at a fairly firm level and for the next few months might perhaps rise even further. We rather imagine, however, toward early Spring raw material prices may be down slightly, depending upon whether or not the Japanese government can continue agricultural aid to producers and holders of pyrethrum flowers.

Aromatic Materials

Eric C. Kunz

Executive Manager, Givaudan-Delawanna, Inc.

We have expected a recovery of at least 10 percent in the volume of business, mainly due to the government's increased distribution of money in the form of PWA, WPA, AAA projects and others, and we still believe that the second half of the year should show a decided increase in the purchasing power of the nation in general.

We are sorry to say that so far our sales and our customers' sales do not show any pick-up. We are not ready at the present time to advance or suggest any reasons for it, but we believe that government taxation, direct and indirect, and particularly the new drug and cosmetic act, has created a state of uncertainty which has taken the pep out of those people who are in charge of distribution to the ultimate consumer, and without an adequate sales effort, our customers' sales will suffer, with a consequent repercussion on the sales of the suppliers of the raw materials.

Tremendous overproduction of all manufactured articles in the synthetic aromatic chemical industry has further depressed prices. Vanillin is probably the most illustrative example of what overproduction can do to the price of a commodity.

In the conclusion of various trade agreements, it would appear that our industry, more than any other industry, has been sacrificed in order to obtain concessions favoring other industries, and a number of our most important products now pay a rate of duty far below the duties applicable to chemicals which could be considered as products of necessity and not luxury.

Cottonseed Products

T. H. Gregory

Executive Vice-President, National Cottonseed Products Association

The cottonseed crushing industry opens another season with mixed feelings. The season just closed was, in point of volume, the greatest in the industry's history. Seed crushed during the year exceeded by 20,000 tons the previous record crush of 1926-27.

The movement of crude oil from the mills was the highest on record despite generally adverse business conditions. Movement of cake and meal was also good. Though the quantity shipped did not reach the record established in 1926-27, a much larger percentage of sales was made in the domestic market than in 1926-27. Domestic sales generally bring a higher price than export sales.

The movement of hulls was likewise favorable; stocks on hand at the end of the year were not out of line with the size of the crop. Only the consumption of linters lagged sharply behind production.

The large consumption of cottonseed products during the 1937-38 season was possible, however, only because prices were relatively low. Crude oil, which had brought an average price of 9 cents per pound the preceding season, brought only 6.4 cents last season. Meal and hulls were proportionately lower, and linters suffered a drastic decline in price. Thus the industry, while enjoying a record volume, operated on a very narrow margin between cost of seed and selling price of products.

In the season just opened the industry does not hope to enjoy the volume of business done last year. The cut in cotton acreage from, roughly, 34,000,000 to less than 28,000,000, will almost certainly bring a proportionate reduction in the supply of seed available. While weather conditions have been fairly good, it is doubtful that yield per acre will be as high as last year. The industry is therefore looking forward to a season of reduced supplies of raw material. In view of the excess crushing capacity already existing, this factor is regarded as unfavorable.

It is possible that reduced production will bring about some advance in prices over last year's levels. The industry as a whole is not optimistic on this score, however, since there is no apparent shortage of commodities competitive with cottonseed products. Furthermore, although the general business outlook is brighter now than it has been for the past twelve months, there is little assurance that general improvement will take place to an extent which will bring about any substantial advance in the prices of mill products.

Another element of uncertainty in the current picture is the recently enacted wage and hour law. Most of the mills expect this law to increase their operating costs. This increase will be felt more by some mills than by others and to a greater extent in certain geographic areas than in others. Coupled with a reduced supply of raw material, it is generally expected that the law will be a disturbing factor. In the long run this law may, or it may not, work to the advantage of labor and industry. In the short run, it seems bound to produce dislocations.

All elements in the current outlook are by no means discouraging. During the past few years, there has been a definite increase in public acceptance of vegetable oil foods. Shortenings, margarin, salad oil, and salad dressing are enjoying increased popularity with consumers. This naturally reacts to the benefit of cottonseed oil. The past few years have also witnessed an increase in the number of livestock on Southern farms. This increase, coupled with educational efforts, has stimulated demand for cottonseed cake and meal and for cottonseed hulls.

Summing up, it may be said that the principal factor preventing an optimistic outlook on the part of the cottonseed industry is the limitation of the supply of raw material resulting from the reduced cotton crop. Other unfavorable elements exist but, in themselves, are not insurmountable, given an adequate supply of seed with which to work.

Leather

Tannery production operations were increased in July, although the level was substantially below that of a year before. The leather industry as a whole showed an increase of about 10 percent in production activity over the month and had reached a point about 13 percent below the July, 1937, level. Interest in hides reflected these conditions, and prices were strengthened, even increased. Inventories of hides and leathers were about 9 percent smaller than those of a year ago.

Conditions were summarized for the REPORTER as follows:—

I. R. Glass

Economist, Tanners' Council of America.

Activity in the leather industry turned upward in the latter part of June in response to an increased demand for leather from the principal leather-consuming industries. The basis of expanding leather business is to be found primarily in the extreme curtailment of production during the past year. Output of both leather and shoes declined markedly in the latter half of 1937 and remained at a distinctly low level during the first five months of the current year. However, consumption in these industries, as represented by retail sales of shoes and other leather goods, fell off to only a minor extent in comparison with reduced output.

Consequently, the past year was characteristically a period of inventory reduction. Supplies of raw hides and skins, finished leather in the hands of consumers, and shoes, were steadily reduced. By April or May of 1938 it became apparent that production would at least have to be equal to consumption in view of the favorable adjustments in inventory which had taken place. Such an increase in production was actually witnessed, beginning at the end of June.

The outlook for the leather and shoe industries at present is governed by two sets of factors. The first of these includes statistical factors within the industries themselves. These are generally conceded to be favorable to expanding output over the balance of 1938. The elimination of inventory excesses and the maintenance of consumer buying indicate the necessity of stepping up production schedules. A second set of factors comprises the conditions influencing the general business outlook. Admitted basis for improvement in the leather industry might well be qualified by such general developments as would tend to impair confidence and create hesitation in making business commitments.

Assuming an upward direction in the general business trend, it seems entirely reasonable to expect an increased rate of leather and shoe operations during the coming months. Barring untoward developments, comparisons with 1937 should become increasingly favorable.

Rubber

Shipments of pneumatic casings decreased a little during July, amounting for the month, according to the Rubber Manufacturers Association, to 3,947,431 units. This total was 23.9 percent below that for July, 1937.

Production in July was larger than in June, but the total, 3,352,601 units, was 21.9 percent less than that for July, 1937.

In spite of increased production and decreased shipments, inventories were further reduced to a point 30 percent below the level at the end of July in 1937.

Casing statistics were paralleled by those for inner tubes—increasing production and decreasing shipments, but shrinking inventories, stocks at the end of July being 31 percent smaller than those at the corresponding time in 1937.

These data indicated a continued expansion of productive operations with a commensurate call for materials.

Manufacturers consumed about 32,000 long tons of crude rubber in July, this being an increase of 5.2 percent in comparison with June, but still more than 26 percent below the corresponding 1937 volume. Domestic stocks of crude rubber at the end of July were estimated by the manufacturers' association to be almost 65 percent larger than those of a year before.

Paper and Pulp

Charles W. Boyce

Executive Secretary, American Paper and Pulp Association.

There has been a substantial increase since the middle of June in the volume of production of paper used for wrapping purposes and also of mechanical-pulp paper for printing. Stocks in hands of distributors and consumers are low. Consequently any increase in consumption will immediately be reflected in production.

Our current records indicate a pick-up in volume, which we hope will be sustained during the Fall months.

Glass and Ceramics

Production operations in the glass industry have not shown improvement since the beginning of the third quarter. The output of plate glass was smaller in July than in June, and fell short of that in July, 1937, by 64 percent. The total for the first seven months of this year was 71 percent less than that for the 1937 period.

With respect to another division of the industry the REPORTER has been given the following comment:—

J. M. Hammer

Executive Secretary, Associated Glass and Pottery Manufacturers.

Production has increased since July 1, and further gains are expected. The first half of this year was below 1937. The second half should be ahead, with a possibility that by the end of November producers may not be able to supply certain wares promptly.

The months of September, October, and November generally are the months of greatest activity for glassware and pottery. The 1938 season should not be an exception. The expectation of most manufacturers is that the 1938 preholiday season will be considerably ahead of 1937.

Alcohol Freights Reduced

Albany, Aug. 24, 1938

The New York Public Service Commission has approved new commodity freight rates on denatured alcohol, methanol, antifreeze alcohol, in tank-cars, from Apex and Rock Rift to Cadosia 7½c. per hundredweight, reduction 2½c. per hundred weight. Effective September 13, 1938.

Business Wants and Offers

Minimum rate (36 words), without display, $2.00 per insertion; 25c for each additional 6 words

Payable in advance at 59 John Street, New York

Agencies Wanted

"SALES REPRESENTATION wanted in the following cities by a manufacturer of mineral and chemical pigments. Only concerns with established following are desired. References are required which will be strictly investigated." Boston, Mass.; Providence, R. I.; Baltimore, Md.; Washington, D. C.; Richmond, Va.; State of Florida; Birmingham, Ala.; New Orleans, La.; Pittsburgh, Pa.; Cleveland, Ohio; Cincinnati, Ohio; Akron, Ohio; Indianapolis, Ind.; Buffalo, N. Y.; Detroit, Mich.; Grand Rapids, Mich.; Milwaukee, Wis; Minneapolis and St. Paul, Minn.; Kansas City, Mo.; State of Texas; Toronto, Canada; Los Angeles, Cal.; Columbus, Ohio; Toledo, Ohio. BOX ...., Oil, Paint and Drug Reporter.

MANAGING DIRECTOR of English old-established chemical manufacturers and agents, widely experienced in world export markets, visiting New York, September 8th to September 17th, wishes to represent American manufacturers. Specialties include solvents, fertilizers, insecticidal and general chemicals, also new lines. Personal technical and commercial attention. BOX 989, Oil Paint and Drug Reporter.

ESTABLISHED HOUSE expanding, wishes to represent manufacturers of basic materials, for the mining, electro-plating and ceramic industries in Oregon, Washington, Idaho, and British Columbia. Particularly desirous in making connections for ore flotation products and waxes. BOX 967, Oil, Paint and Drug Reporter.

ESTABLISHED Cincinnati firm, covering part of Ohio and also Louisville, Kentucky, would be interested in representing producers of raw materials for the paper, soap, paint, rubber, ink or other industries. BOX 976, Oil, Paint and Drug Reporter.

Agents Wanted

SALES REPRESENTATION wanted in the following cities by a manufacturer of mineral and chemical pigments. Only concerns with established following are desired. References are required which will be strictly investigated. Boston Mass.; Providence, R. I.; Baltimore, Md.; Washington, D. C.; Richmond, Va.; State of Florida; Birmingham, Ala.; New Orleans, La.; Pittsburgh, Pa.; Cleveland, Ohio; Cincinnati, Ohio; Akron, Ohio; Indianapolis, Ind.; Buffalo, N. Y.; Detroit, Mich.; Grand Rapids, Mich.; Milwaukee, Wis; Minneapolis and St. Paul, Minn.; Kansas City, Mo.; State of Texas; Toronto, Canada; Los Angeles, Cal.; Columbus, Ohio; Toledo, Ohio. BOX 986, Oil, Paint and Drug Reporter.

Agents Wanted

AGENTS WANTED who have the connections to sell imported raw and refined liquid rosin (talloil) directly to consumers. BOX 991, Oil, Paint and Drug Reporter.

Equipment Offered

CONSOLIDATED OFFERS.—One solid nickel jacketed agitated vacuum still 100 gallons; ten No. 3 Rotex sifters, motor driven; two 24 inch Mikro pulverizers; twelve vacuum dryers, shelf and rotary type; nine W. & P. mixers; five Sweetland filters; twenty plate type filter presses; thirty centrifugal machines; miscellaneous: rotary dryers, pulverizers, jacketed kettles, etc. Send for complete listing. We buy and sell from a single item to a complete plant. Consolidated Products Co., Inc., 15-17-19 Park Row, New York City.

FOR SALE--Two 6x8 pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

FIND WHAT you want right in New York City. Pony mixers, post mixer, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms-Harvey Equipment Co., 123 Bleecker street, SPring 7-8955.

Factories Offered

BRICK FACTORY.—High one story, 10,000 sq. ft., concrete floor, no columns, railroad siding, yard, live steam available as needed. Unrestricted district, seven miles from Manhattan. Low rent. The R. L. Kraft Company, Woolworth Building, COrtlandt 7-9377.

Positions Vacant

DYESTUFF SALESMAN or salesman calling on textile dyers to handle the dyestuffs as side line. Excellent commission offered. BOX 987, Oil, Paint and Drug Reporter.

LONG ESTABLISHED specialty manufacturer has southern and western territories open on exclusive and commission basis. Knowledge of spray finishing desirable. Give experience, age, references and territory in which you are interested in first letter. BOX 988, Oil, Paint and Drug Reporter.

Positions Vacant

DRY COLOR CHEMIST.—Wanted for a responsible position with an old established concern. Must have both laboratory and plant experience with iron blues and azo reds. In applying state experience, salary expected, etc. Our employees know of this advertisement and all applications will be treated with strictest confidence. BOX 990, Oil, Paint and Drug Reporter.

Positions Wanted

CHEMIST.—Experienced in pharmaceuticals, cosmetics and essential oils. Ten years with leading drug house. Control, development, research and production. Excellent references. Available at once. BOX 985, Oil, Paint and Drug Reporter.

PHARMACEUTICAL Production Chemist. Capable full manufacturing responsibility or act as assistant actual production or research and development new specialties. Practical experience in every type pharmaceutical production, labels and literature. Salary reasonable. BOX 992, Oil, Paint and Drug Reporter.

DRY COLOR chemist, research and production, full line, desires position with reliable firm anywhere. BOX 993, Oil, Paint and Drug Reporter.

OPENING DESIRED by man, actively engaged in buying and selling shellacs, gums and allied products for over ten years. Has good knowledge of these materials, sources of supply and consuming trades. Capable managing department. BOX 994, Oil, Paint and Drug Reporter.

POSITION wanted as casein paint chemist. Experienced in casein paint research and production. College graduate. References furnished. BOX 978, Oil, Paint and Drug Reporter.

PAINT and varnish maker of the first caliber wants to manage small paint and varnish business with a view to increase business and make it successful. Produces the best selling flat whites, gloss whites, enamels, varnishes and a full line. A good volume of profitable business is assured. BOX 977, Oil, Paint and Drug Reporter.

Positions Wanted

ABLE WOMAN colloid and organic chemist, S.B., 1938, from M.I.T. Well grounded also in industrial, analytical, physical and auxiliary chemistries and sciences. Excellent references. BOX 979, Oil, Paint and Drug Reporter.

MAINTENANCE ENGINEER available to supervise maintenance, renewals and construction of chemical plant and equipment. Take charge repair shop and power plant. Graduate chemical engineer. Twenty years' experience. BOX 982, Oil, Paint and Drug Reporter.

CHEMIST—Young, graduate of Pratt Institute; specialized in paint manufacture, etc., at school; wants position in paint industry; honest, hard worker. Experience more important than salary. BOX 984, Oil, Paint and Drug Reporter.

Services Offered

CHEMISTS and chemical engineers—If you are now unemployed, send your complete chronological record of education and experience to Chemist Advisory Council, 300 Madison avenue, New York City.

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WE PURCHASE any quantity surplus chemicals, colors, pigments, oils, waxes, drugs, pharmaceuticals and all basic raw materials as well as by-products, residues and wastes of all kinds. Entire plants bought. Eastern Color & Chemical Co., 143 Nassau street, New York City. COrtlandt 7-7441.

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Cargo Ship Arrivals

August 20 to September 2

New York

Agwistar	Tampico*	Aug 30
Alegrete	Paranagua*	Aug 22
American Banker	London*	Aug 29
American Importer	Manchester*	Aug 29
Aquitania	Southampton*	Aug 30
Arimasan	Yokohama*	Aug 27
Arizonan	Portland*	Aug 25
Baalbek	Hamburg*	Aug 30
Batory	Gdynia*	Sept 1
Black Falcon	Antwerp*	Aug 29
Black Gull	Antwerp*	Aug 24
Borinquen	Trujillo*	Aug 29
Bremen	Bremen*	Aug 22
Britannic	Havre*	Aug 28
California	Glasgow*	Aug 29
Capillo	Buenos Aires*	Aug 27
Chiriqui	Port Limon*	Aug 28
Cingalese Prince	Hongkong*	Aug 28
City of Kimberley	Sourabaya*	Aug 29
City of Worcester	Calcutta*	Aug 25
Coamo	Trujillo*	Aug 29
Conti di Savoia	Naples*	Aug 31
Coftica	Paramaribo*	Aug 29
Cristobal	Cristobal*	Aug 29
De Grasse	Havre*	Aug 28
Deutschland	Hamburg*	Sept 2
Drottningholm	Gothenburg	Aug 29
Europa	Bremen*	Aug 29
Exminster	Thessaloniki*	Aug 22
Exochorda	Jaffa*	Sept 1
Express	Istanbul*	Aug 31
Extavia	Istanbul*	Aug 25
Flora	Maracaibo*	Aug 29
Fort Townshend	St John's*	Aug 25
Franconia	Liverpool*	Aug 29
Gifano	Hull	Aug 29
Gripsholm	Gothenburg	Aug 26
Hamakua	Honolulu*	Aug 25
Hansa	Hamburg*	Aug 26
Hjelmaren	Geffe*	Aug 25
Ingrid	Paramaribo*	Aug 25
Jamaica	Puerto Colombia*	Sept 1
J L Luckenbach	Seattle*	Aug 25
Jean Jadot	Antwerp	Aug 30
Kirisima	Manila*	Aug 28
Kiyokawa	Yokohama*	Aug 29
Konigstein	Antwerp*	Aug 25
Laconia	Liverpool*	Aug 22
Lewis Luckenbach	Seattle*	Sept 2
Lossiebank	Shanghai*	Aug 24
Manhattan	Hamburg*	Sept 1
Mexico	Vera Cruz*	Aug 30
Missourian	Tacoma*	Aug 29
Nagara	Kobe*	Aug 26
Nerissa	Trinidad*	Aug 24
Nevadan	Tacoma*	Aug 24
Nieuw Amsterdam	Rotterdam*	Sept 2
Normandie	Havre*	Aug 29
Nyhaug	Rosario	Sept 2
Olaf Bergh	Port Alberni*	Sept 1
Panaman	Portland*	Sept 1
Paris	Havre*	Aug 23
Pastores	Puerto Barrios*	Aug 25
Pennsylvania	Everett*	Aug 28
Pipestone County	Havre*	Aug 23
Polycarp	Bahia*	Aug 31
Ponce	La Romana*	Aug 29
Port Halifax	Dunedin	Aug 25
Portmar	Warrenton	Sept 2
President Harding	Hamburg*	Aug 27
Puerto Rico	Ponce*	Aug 24
Queen Mary	Southampton*	Aug 22
Quirigua	Puerto Colombia*	Aug 25
Rhexenor	Batavia*	Aug 31
Rio Verde	Ilheos*	Aug 22
Roma	Naples*	Aug 25
St Louis	Hamburg*	Aug 31
San Simeon	Seattle*	Aug 30
Santa Clara	San Antonio*	Aug 29
Santa Inez	Chanaral*	Aug 22
Santa Paula	Curacao*	Aug 29
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Sheridan	Para*	Aug 31
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Sidney M Hauptman	San Francisco*	Aug 27
Southern Prince	Buenos Aires*	Aug 31
Stari Bolshevik	Novorossisk	Sept 1
Statendam	Rotterdam*	Aug 28
Stavangerfjord	Oslo*	Aug 29
Steel Age	Honolulu	Aug 29
Steel Maker	Honolulu	Sept 2
Tatuno	Yokohama*	Sept 1
Timber Rush	Los Angeles	Aug 31
Tonsbergfjord	Antwerp*	Aug 29
Toronto City	Fowey	Sept 1
Volendam	Rotterdam*	Aug 22
West Cusseta	Dunkirk*	Sept 2
Westernland	Antwerp*	Aug 30
Western World	Buenos Aires*	Aug 24
Winona	Portland*	Aug 30
Yamagiri	Yokohama	Aug 28

* And other ports

Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug act or did not comply with other customs regulations, included the following articles for the reasons stated:—

New York

Week Ended August 24

Cassia oil, 15 drums; not U.S.P.

Codliver oil, 5 drums; not U.S.P.

Cod oil, technical, 250 drums; restricted use.

Estrogenic preparation, 1 case; below labeled standard.

Medicinal preparations, 2 cases; false therapeutic claims.

Medicinal preparations, 1 package; dangerous to health.

Sarsaparilla root, 10 bales; not U.S.P.

Boston

Week Ended August 24

Medicinal preparations, 4 packages; false therapeutic claims.

Los Angeles

Week Ended August 18

Medicinal preparations, 300 pieces; false therapeutic claims.

Nutmegs, 20 bags; filthy and decomposed (wormy and moldy).

Philadelphia

Week Ended August 24

Codliver oil, 100 barrels; restricted use.

Medicinal preparations, 2 cases; false therapeutic claims.

San Francisco

Week Ended August 18

Medicinal preparations, 105 pieces; false therapeutic claims.

Seattle

Week Ended August 18

Medicinal preparations, 4 pieces; false therapeutic claims.

Rice cakes, 2 cases; false therapeutic claims.

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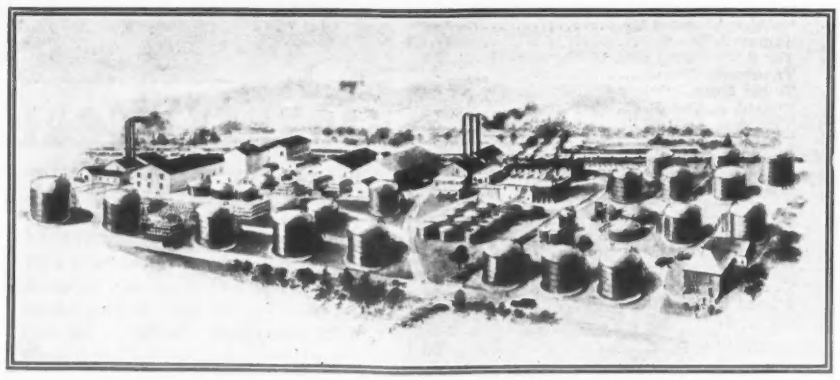

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